

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017374.D
 Acq On : 14 Jul 2020 13:26
 Operator : JC/SP
 Sample : L3216-09 .75PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:23 AM

Quant Time: Jul 15 03:03:41 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	315397	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	507942	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	473073	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	240574	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	180092	45.50	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.00%	
35) Dibromofluoromethane	5.46	113	146504	42.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.64%	
50) Toluene-d8	8.70	98	507742	41.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.28%	
62) 4-Bromofluorobenzene	11.12	95	184698	37.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.34%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	1527	0.572	ug/l #	47
3) Chloromethane	1.31	50	1981	0.659	ug/l	91
4) Vinyl Chloride	1.40	62	2194	0.738	ug/l	100
5) Bromomethane	1.64	94	2102	1.086	ug/l #	77
6) Chloroethane	1.72	64	1505	0.802	ug/l #	87
7) Trichlorofluoromethane	1.92	101	3257	0.649	ug/l #	83
8) Diethyl Ether	2.17	74	1565	0.883	ug/l	80
9) 1,1,2-Trichlorotrifluoroet	2.36	101	2130	0.745	ug/l	86
10) Methyl Iodide	2.49	142	1995	0.575	ug/l	94
11) Tert butyl alcohol	3.01	59	2686	4.027	ug/l #	88
12) 1,1-Dichloroethene	2.36	96	2276	0.793	ug/l #	76
13) Acrolein	2.27	56	993	2.716	ug/l	93
14) Allyl chloride	2.71	41	3594	0.723	ug/l	99
15) Acrylonitrile	3.12	53	5597	3.462	ug/l	95
16) Acetone	2.42	43	6195	4.387	ug/l	96
17) Carbon Disulfide	2.55	76	6385	0.763	ug/l	98
18) Methyl Acetate	2.75	43	2444	0.701	ug/l	98
19) Methyl tert-butyl Ether	3.17	73	6610	0.678	ug/l #	86
20) Methylene Chloride	2.84	84	3058	0.888	ug/l	96
21) trans-1,2-Dichloroethene	3.14	96	2504	0.763	ug/l	80
22) Diisopropyl ether	3.83	45	6371	0.673	ug/l	97
23) Vinyl Acetate	3.79	43	24137	2.897	ug/l	100
24) 1,1-Dichloroethane	3.67	63	4306	0.773	ug/l #	89
25) 2-Butanone	4.64	43	8073	3.599	ug/l	99
26) 2,2-Dichloropropane	4.54	77	3490	0.674	ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	3022	0.839	ug/l	86
28) Bromochloromethane	4.98	49	2207	0.858	ug/l #	89
29) Tetrahydrofuran	5.10	42	4794	3.302	ug/l	97
30) Chloroform	5.18	83	4116	0.687	ug/l	93
31) Cyclohexane	5.56	56	2953	0.648	ug/l	85
32) 1,1,1-Trichloroethane	5.46	97	3840	0.693	ug/l #	44
36) 1,1-Dichloropropene	5.77	75	3407	0.729	ug/l	98
37) Ethyl Acetate	4.81	43	2957	0.612	ug/l #	94
38) Carbon Tetrachloride	5.76	117	3129	0.572	ug/l #	83

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	7.43	83	3316	0.654	ug/l #	91
40) Benzene	6.11	78	8415	0.627	ug/l	91
41) Methacrylonitrile	5.01	41	2343	0.903	ug/l #	83
42) 1,2-Dichloroethane	6.17	62	3771	0.723	ug/l	84
43) Isopropyl Acetate	6.42	43	5054	0.655	ug/l #	91
44) Trichloroethene	7.20	130	2990	0.729	ug/l	99
45) 1,2-Dichloropropane	7.49	63	2220	0.646	ug/l #	84
46) Dibromomethane	7.64	93	1746	0.705	ug/l	93
47) Bromodichloromethane	7.88	83	3438	0.664	ug/l	87
48) Methyl methacrylate	7.74	41	2417	0.652	ug/l #	86
49) 1,4-Dioxane	7.72	88	1013	13.361	ug/l #	72
51) 4-Methyl-2-Pentanone	8.62	43	13003	2.762	ug/l	100
52) Toluene	8.77	92	5516	0.640	ug/l	95
53) t-1,3-Dichloropropene	9.02	75	3444	0.617	ug/l	99
54) cis-1,3-Dichloropropene	8.42	75	3488	0.586	ug/l	95
55) 1,1,2-Trichloroethane	9.20	97	2363	0.658	ug/l	90
56) Ethyl methacrylate	9.16	69	2574	0.505	ug/l #	74
57) 1,3-Dichloropropane	9.35	76	3934	0.658	ug/l	91
58) 2-Chloroethyl Vinyl ether	8.29	63	6937	2.678	ug/l	100
59) 2-Hexanone	9.48	43	9707	2.732	ug/l	92
60) Dibromochloromethane	9.57	129	2719	0.619	ug/l	91
61) 1,2-Dibromoethane	9.65	107	2641	0.676	ug/l	99
64) Tetrachloroethene	9.32	164	3220	0.786	ug/l	87
65) Chlorobenzene	10.12	112	6306	0.656	ug/l	92
66) 1,1,1,2-Tetrachloroethane	10.21	131	2639	0.689	ug/l #	64
67) Ethyl Benzene	10.24	91	9121	0.570	ug/l	97
68) m/p-Xylenes	10.34	106	6968	1.144	ug/l	96
69) o-Xylene	10.68	106	3392	0.583	ug/l	89
70) Styrene	10.70	104	5203	0.521	ug/l	94
71) Bromoform	10.84	173	1908	0.591	ug/l #	89
73) Isopropylbenzene	11.01	105	8236	0.546	ug/l	95
74) N-amyl acetate	10.88	43	3170	0.525	ug/l	96
75) 1,1,2,2-Tetrachloroethane	11.25	83	2945	0.643	ug/l	93
76) 1,2,3-Trichloropropane	11.28	75	2802m	0.630	ug/l	
77) Bromobenzene	11.24	156	3048	0.710	ug/l	99
78) n-propylbenzene	11.35	91	10641	0.628	ug/l	100
79) 2-Chlorotoluene	11.41	91	6695	0.641	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	6927	0.541	ug/l	97
81) trans-1,4-Dichloro-2-buten	11.05	75	1163m	0.664	ug/l	
82) 4-Chlorotoluene	11.49	91	7863	0.636	ug/l	97
83) tert-Butylbenzene	11.75	119	6819	0.551	ug/l	96
84) 1,2,4-Trimethylbenzene	11.79	105	6686	0.517	ug/l	99
85) sec-Butylbenzene	11.93	105	7657	0.529	ug/l	95
86) p-Isopropyltoluene	12.05	119	7183	0.524	ug/l #	84
87) 1,3-Dichlorobenzene	12.01	146	4886	0.636	ug/l	93
88) 1,4-Dichlorobenzene	12.08	146	5624m	0.724	ug/l	
89) n-Butylbenzene	12.37	91	7076	0.605	ug/l	96
90) Hexachloroethane	12.58	117	1574	0.605	ug/l	94
91) 1,2-Dichlorobenzene	12.37	146	4834	0.669	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	12.98	75	922	0.763	ug/l	85

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MDL-WATER-03-QT3-2020

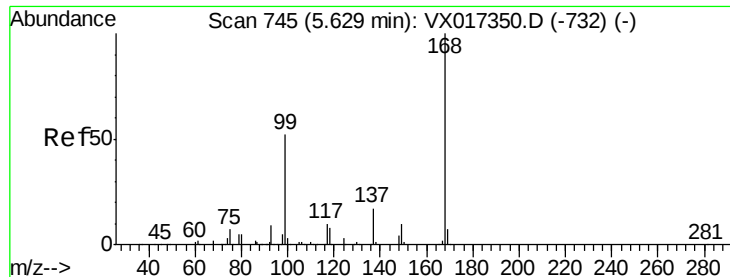
Manual Integrations
APPROVED

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	3165	0.631	ug/l	96
94) Hexachlorobutadiene	13.77	225	1506	0.737	ug/l	96
95) Naphthalene	13.82	128	7688	0.522	ug/l #	93
96) 1,2,3-Trichlorobenzene	14.00	180	3234	0.668	ug/l	99

(#) = 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: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 315397

Ion Ratio Lower Upper

168 100

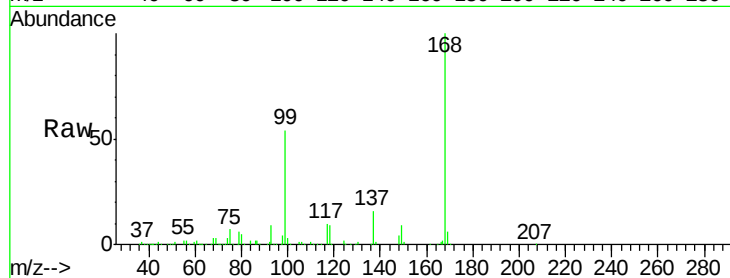
99 54.2 41.6 62.4

Manual Integrations

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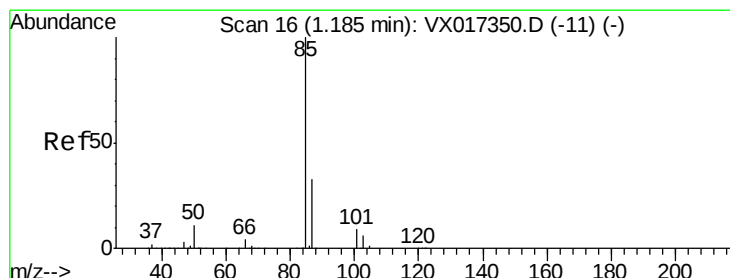
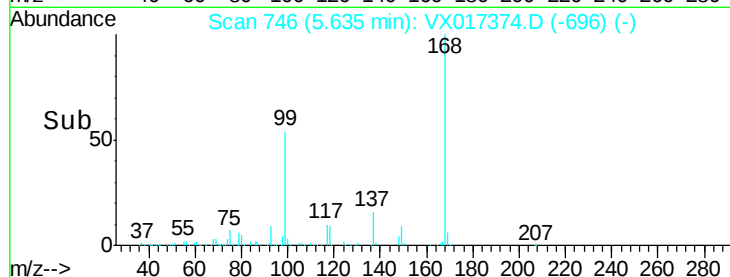
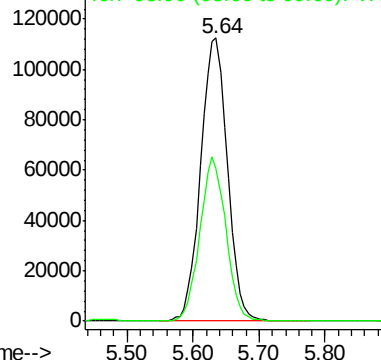
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#2

Dichlorodifluoromethane

Concen: 0.572 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017374.D

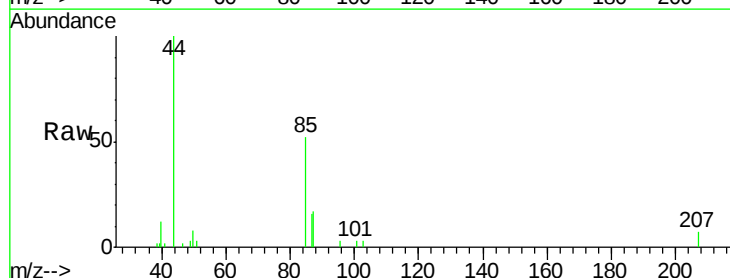
Acq: 14 Jul 2020 13:26

Tgt Ion: 85 Resp: 1527

Ion Ratio Lower Upper

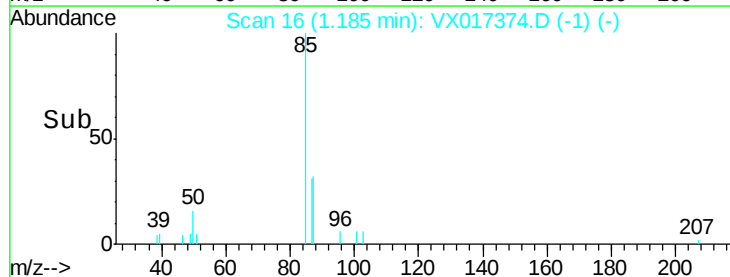
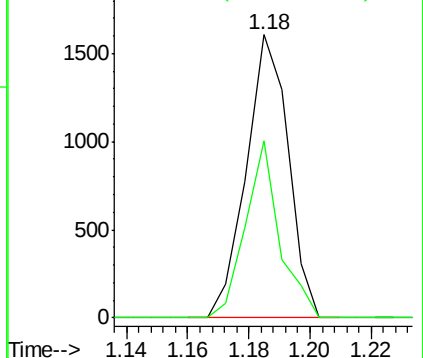
85 100

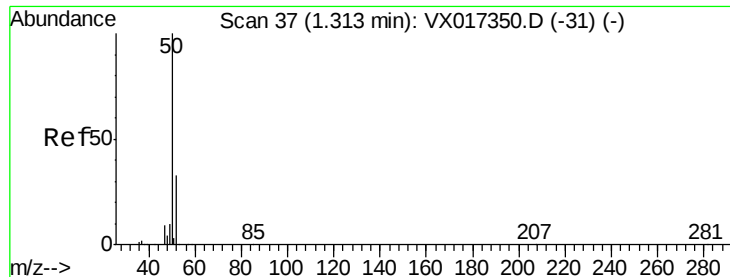
87 62.5 16.3 48.8#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0





#3

Chloromethane

Concen: 0.659 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 1981

Ion Ratio Lower Upper

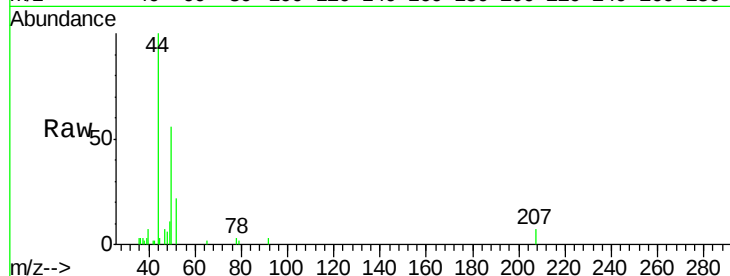
50 100

52 38.4 26.7 40.1

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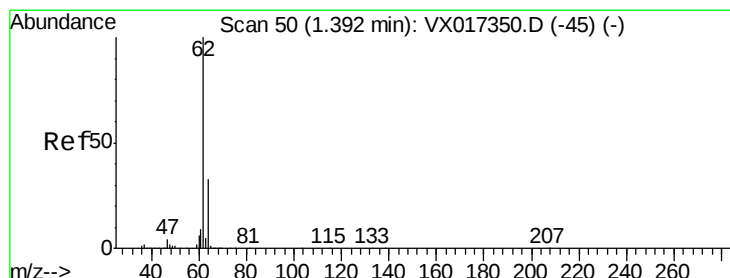
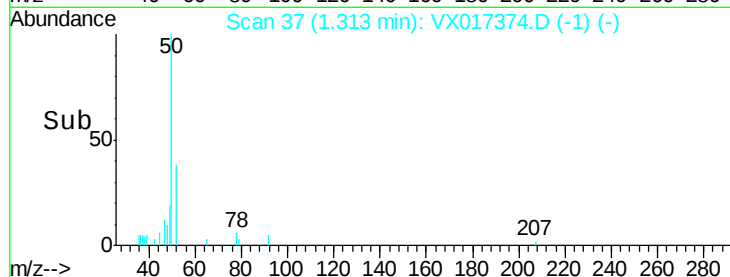
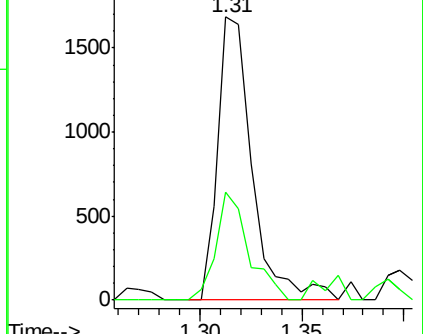
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 0.738 ug/l

RT: 1.40 min Scan# 51

Delta R.T. 0.01 min

Lab File: VX017374.D

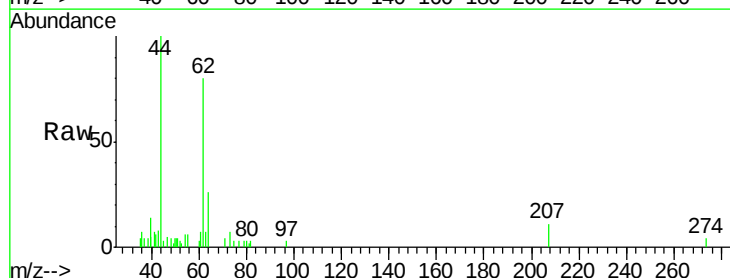
Acq: 14 Jul 2020 13:26

Tgt Ion: 62 Resp: 2194

Ion Ratio Lower Upper

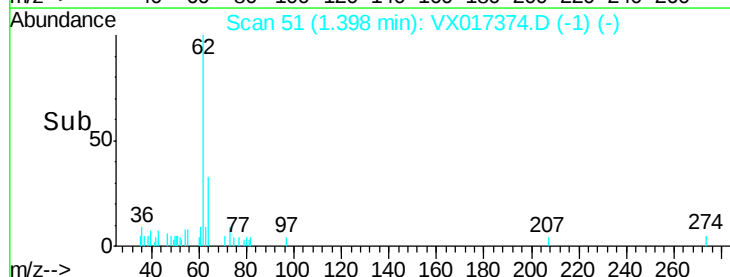
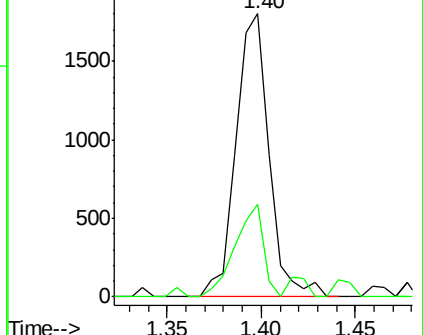
62 100

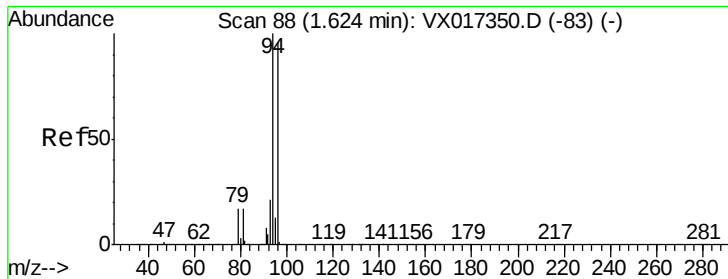
64 32.7 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 1.086 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 2102

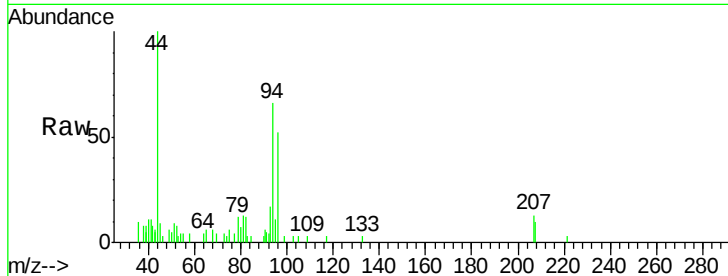
Ion Ratio Lower Upper

94 100

96 73.6 76.6 115.0#

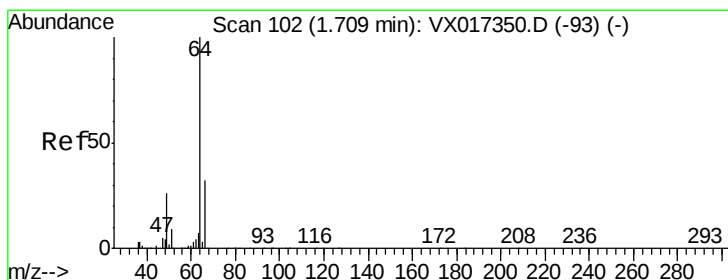
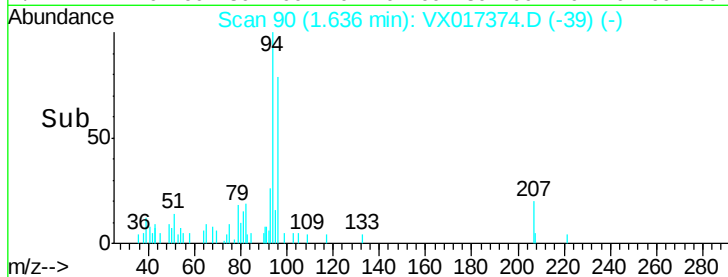
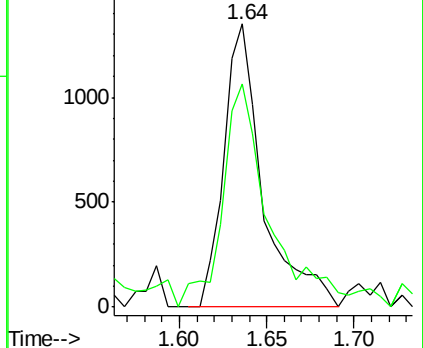
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Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#6

Chloroethane

Concen: 0.802 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017374.D

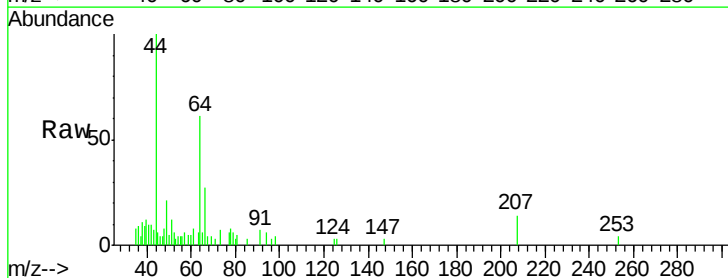
Acq: 14 Jul 2020 13:26

Tgt Ion: 64 Resp: 1505

Ion Ratio Lower Upper

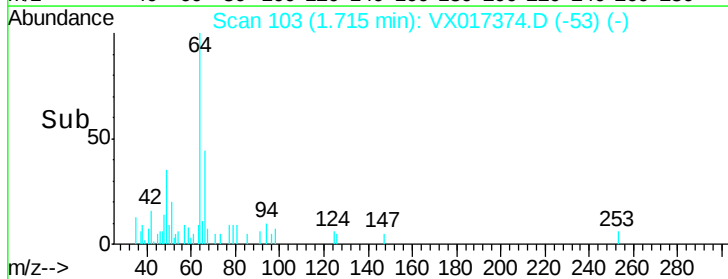
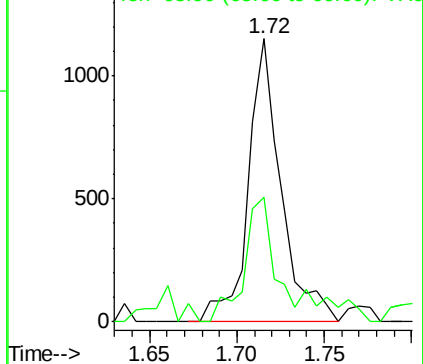
64 100

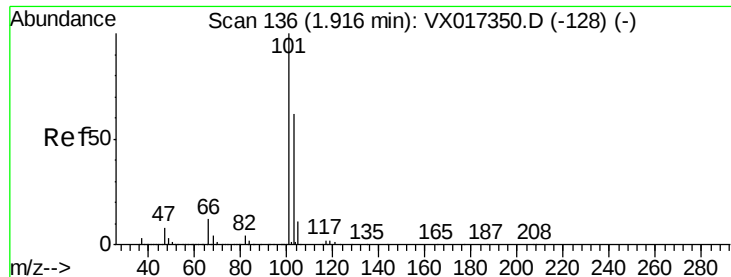
66 39.1 25.7 38.5#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0





#7

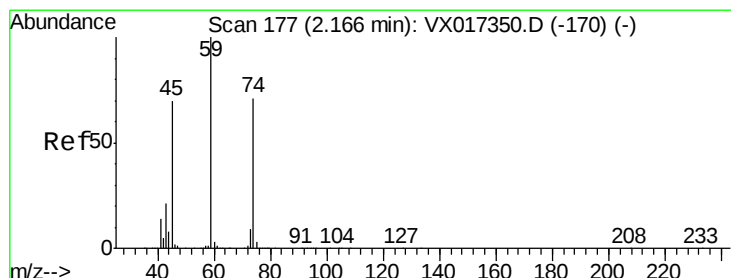
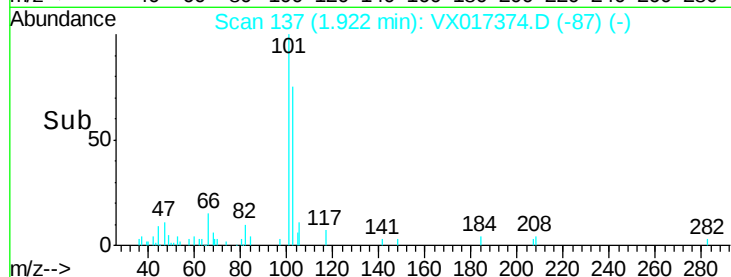
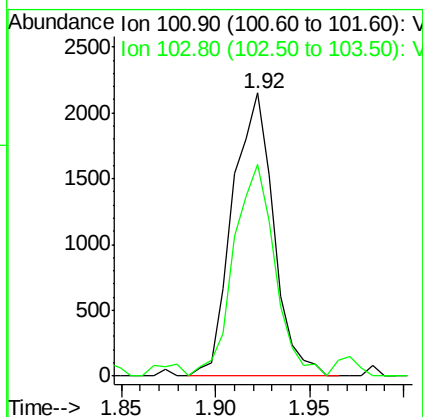
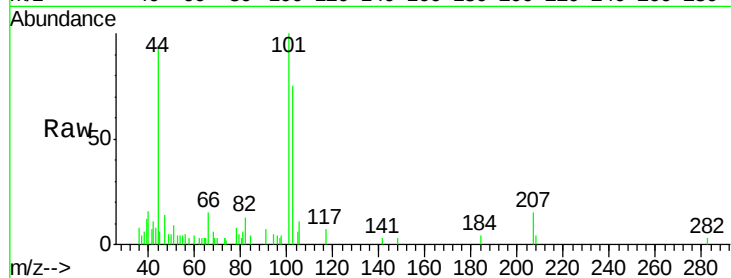
Trichlorofluoromethane
Concen: 0.649 ug/l
RT: 1.92 min Scan# 137
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	74.7	49.6	74.4#

Manual Integrations
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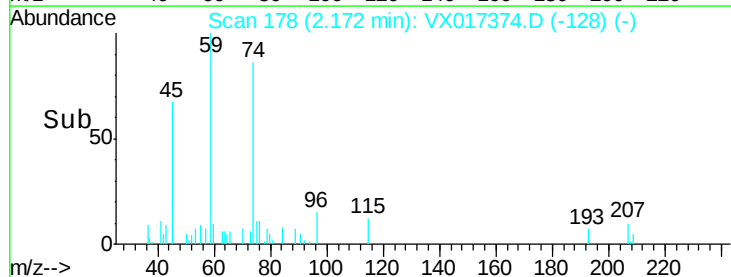
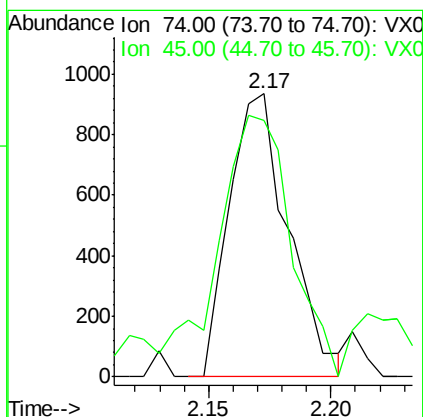
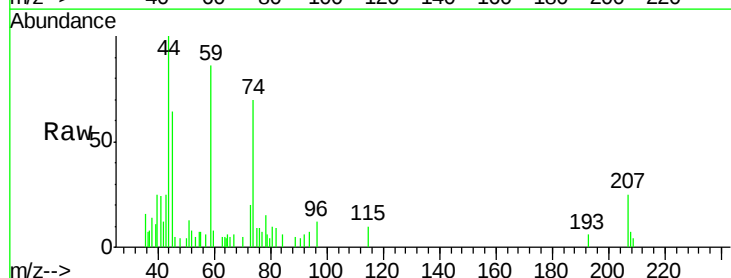
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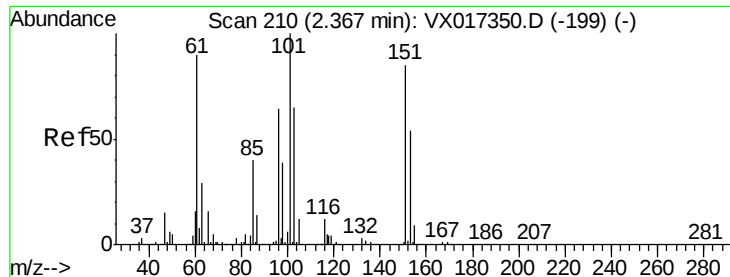


#8

Diethyl Ether
Concen: 0.883 ug/l
RT: 2.17 min Scan# 178
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
74	100		
45	114.2	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.745 ug/l

RT: 2.36 min Scan# 209

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

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MSVOA_X

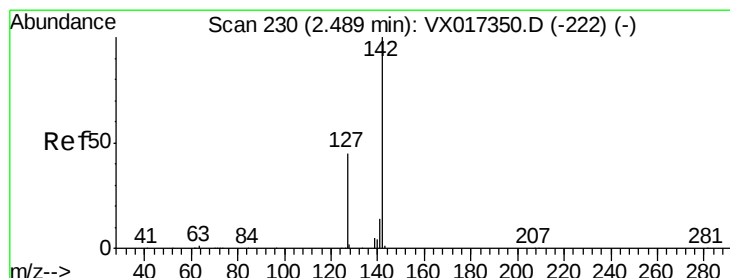
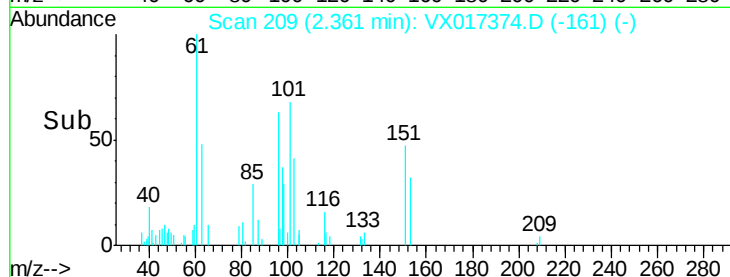
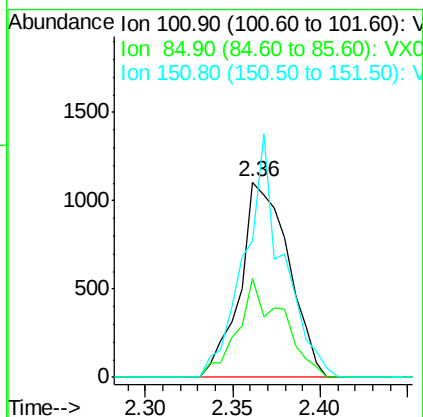
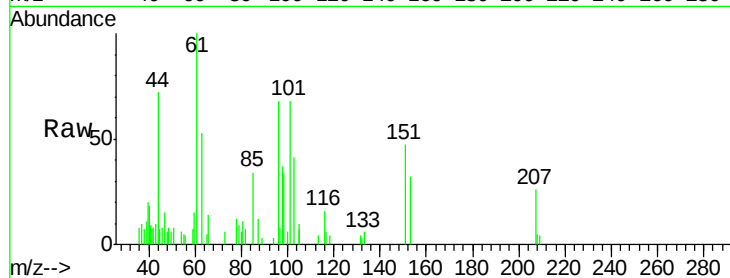
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	101	Resp:	2130
Ion Ratio	Lower	Upper	
101	100		
85	46.7	33.7	50.5
151	98.7	66.4	99.6

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#10

Methyl Iodide

Concen: 0.575 ug/l

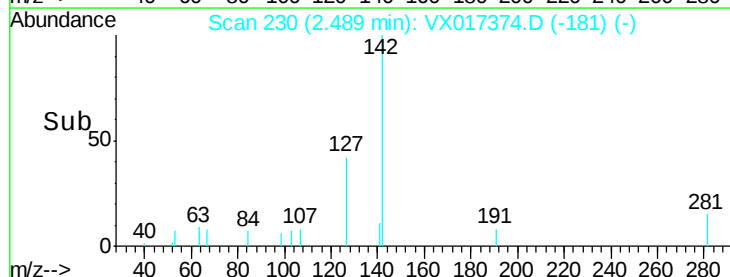
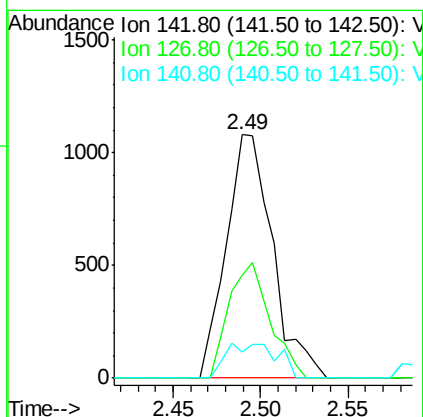
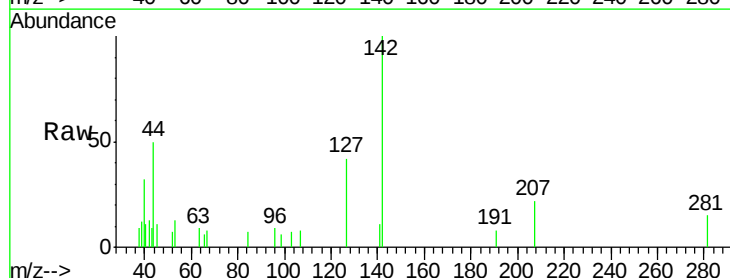
RT: 2.49 min Scan# 230

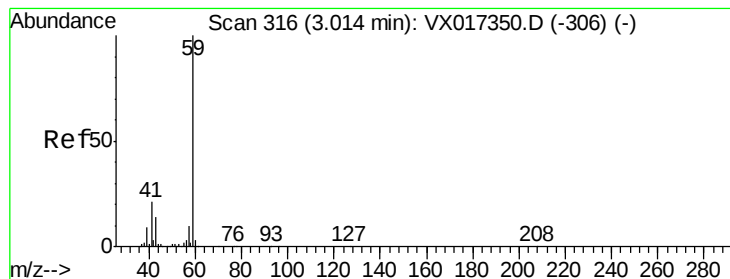
Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion:	142	Resp:	1995
Ion Ratio	Lower	Upper	
142	100		
127	41.7	36.8	55.2
141	15.5	11.4	17.0





#11

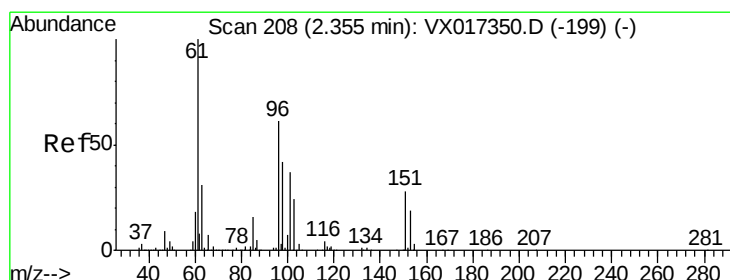
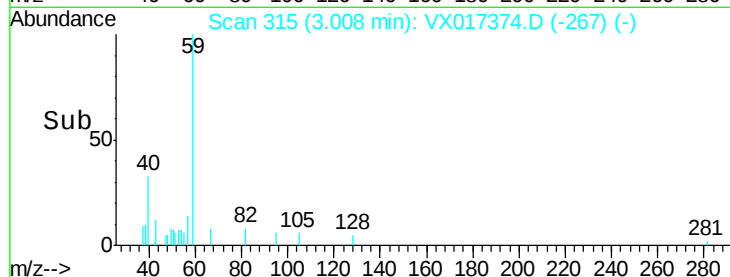
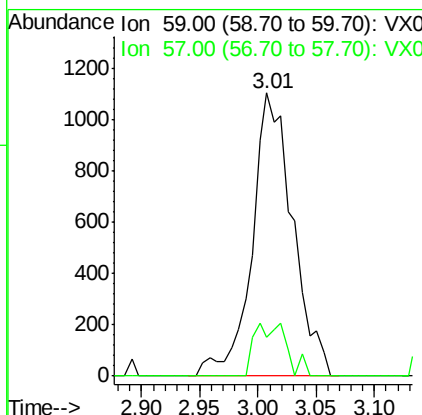
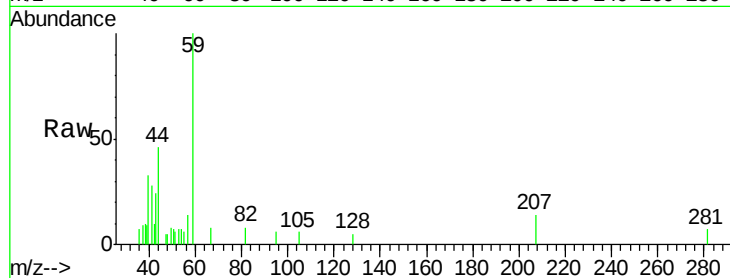
Tert butyl alcohol
Concen: 4.027 ug/l
RT: 3.01 min Scan# 315
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	14.9	8.3	12.5#

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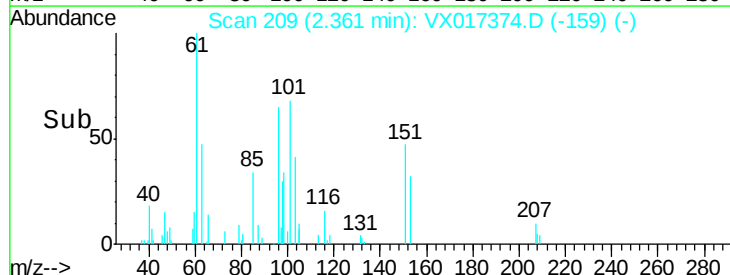
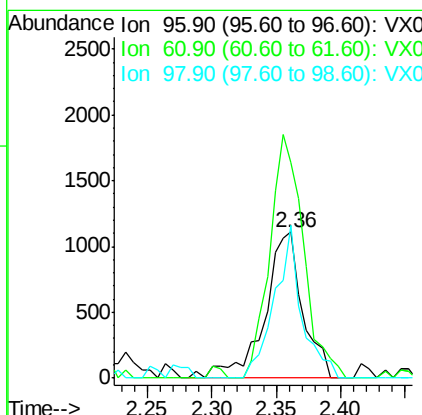
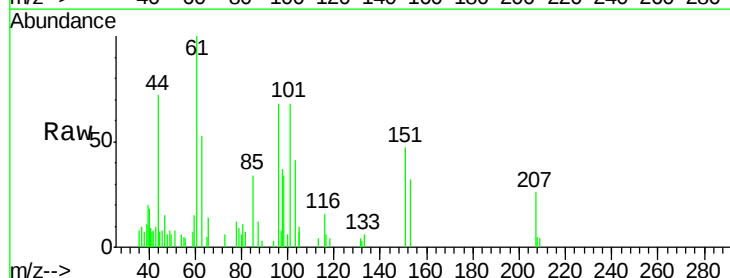
MMDadoda
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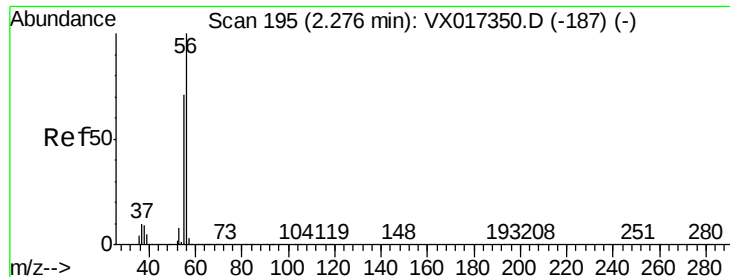


#12

1,1-Dichloroethene
Concen: 0.793 ug/l
RT: 2.36 min Scan# 209
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.3	131.5	197.3
98	104.3	55.1	82.7#





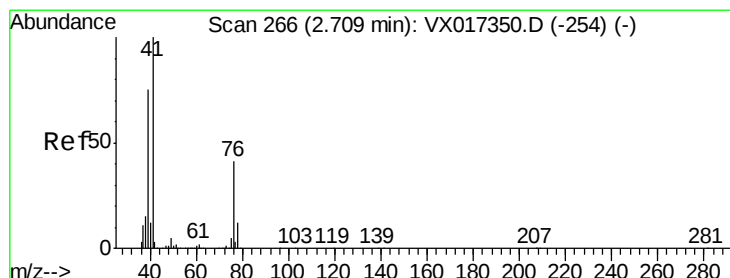
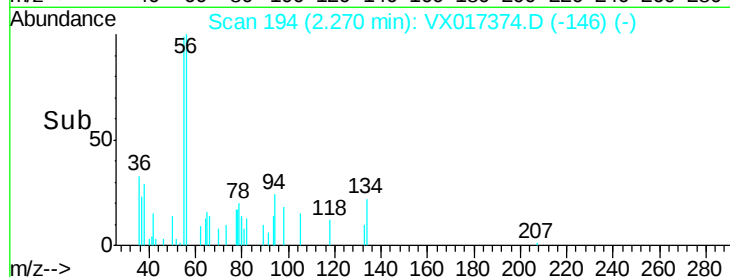
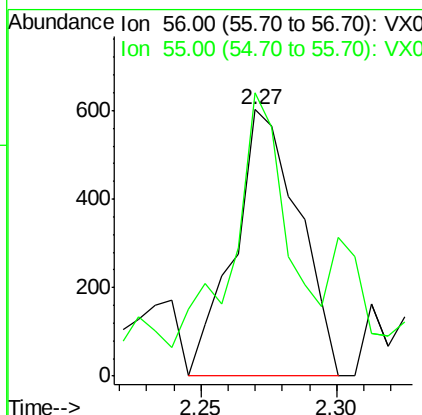
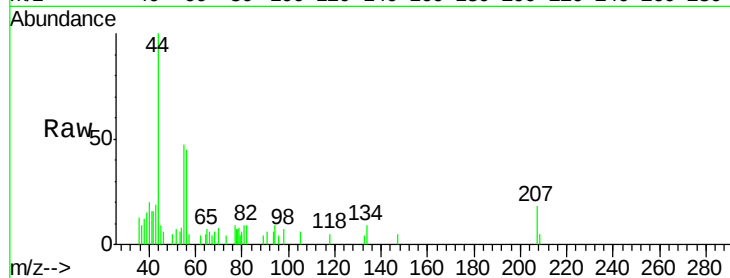
#13
Acrolein
Concen: 2.716 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
56	100		
55	76.9	57.1	85.7

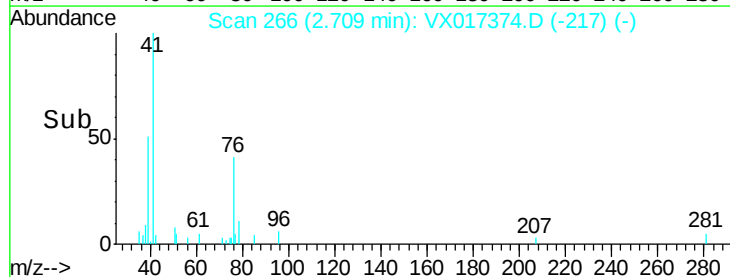
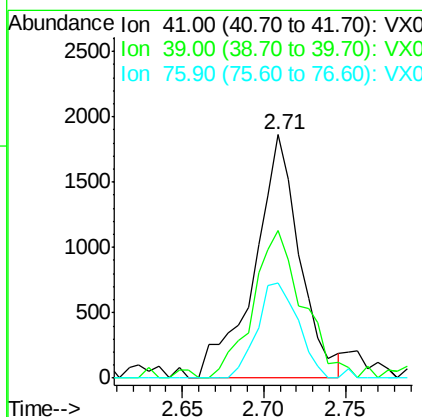
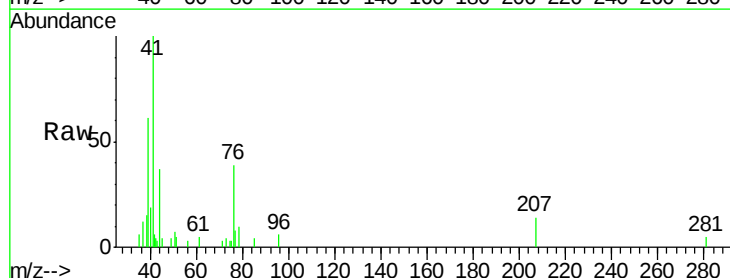
Manual Integrations
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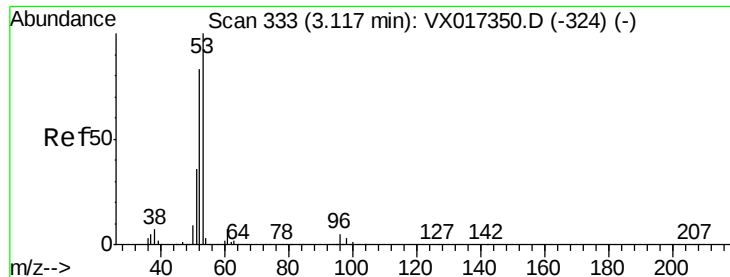
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#14
Allyl chloride
Concen: 0.723 ug/l
RT: 2.71 min Scan# 266
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
41	100		
39	66.9	53.0	79.4
76	35.2	28.2	42.2





#15

Acrylonitrile

Concen: 3.462 ug/l

RT: 3.12 min Scan# 334

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

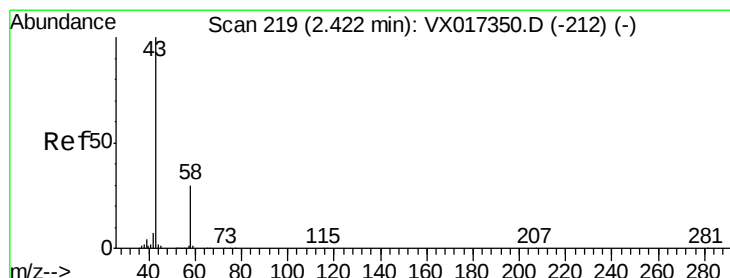
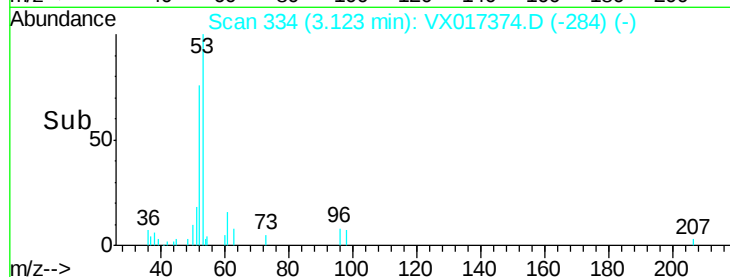
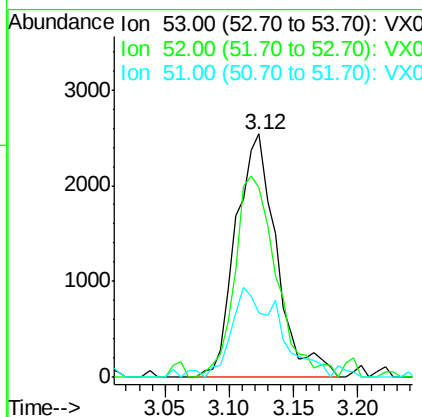
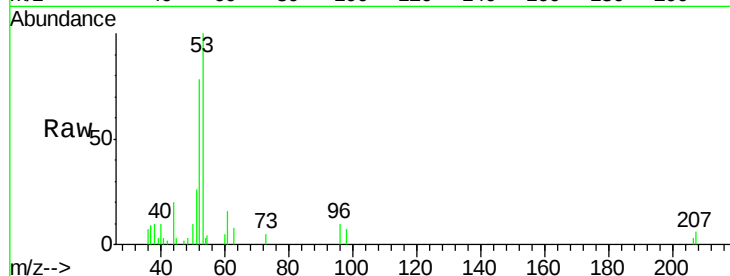
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	53	Resp:	5597
Ion	Ratio	Lower	Upper
53	100		
52	84.2	65.8	98.6
51	43.8	29.2	43.8

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#16

Acetone

Concen: 4.387 ug/l

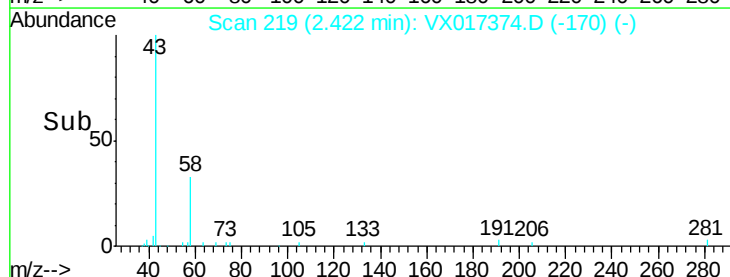
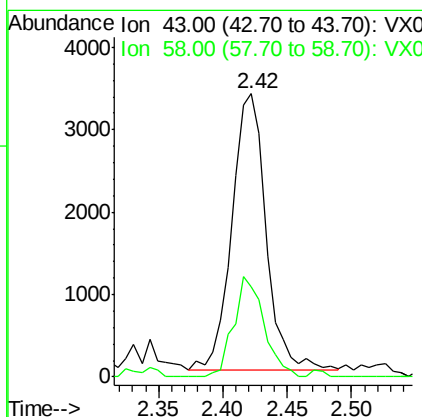
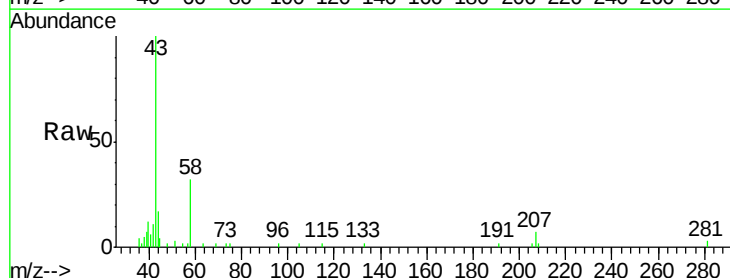
RT: 2.42 min Scan# 219

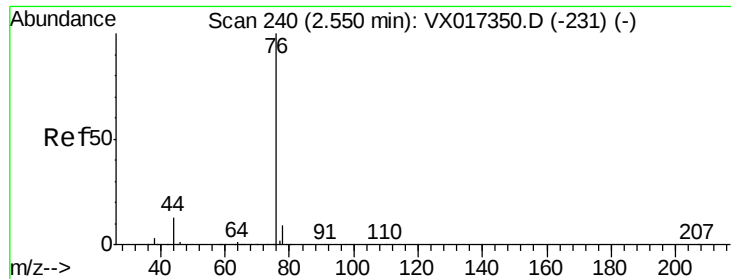
Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion:	43	Resp:	6195
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.2	36.2





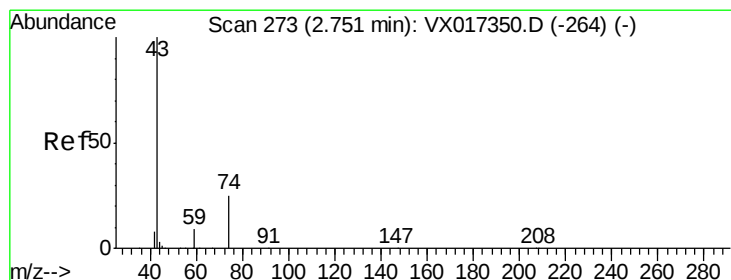
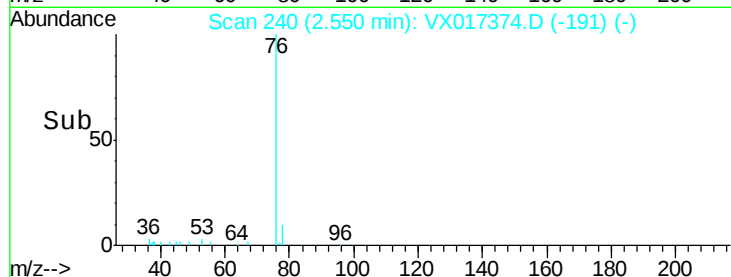
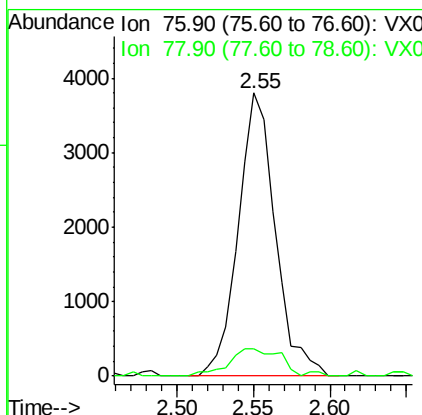
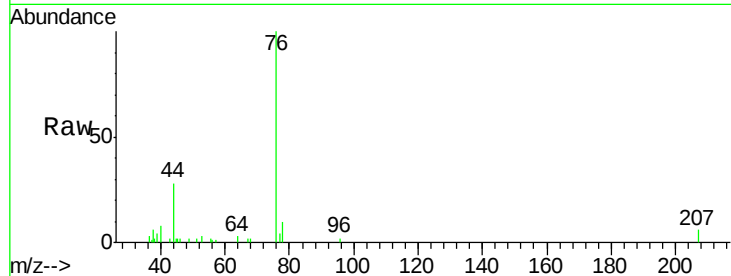
#17
Carbon Disulfide
Concen: 0.763 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.8	7.3	10.9

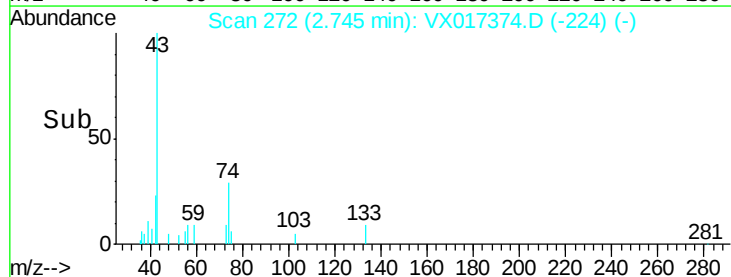
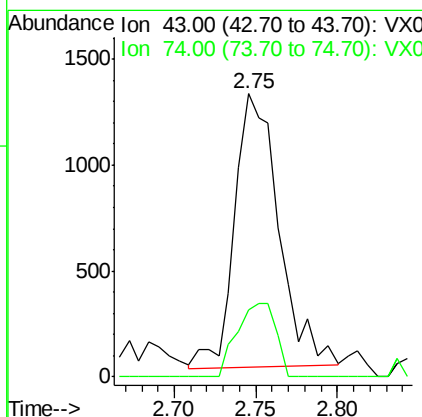
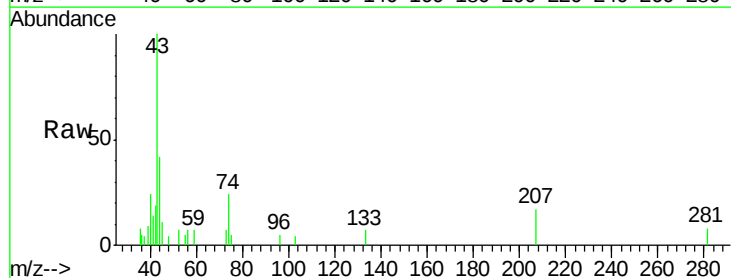
Manual Integrations
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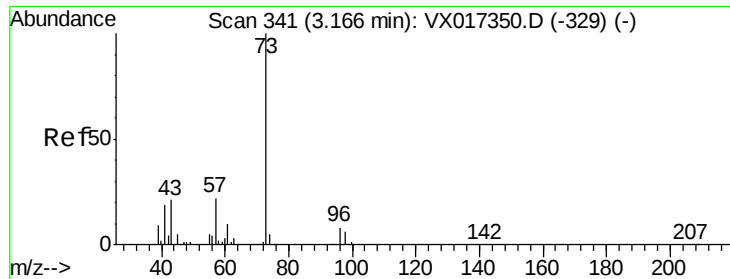
MMDadoda
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#18
Methyl Acetate
Concen: 0.701 ug/l
RT: 2.75 min Scan# 272
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
43	100		
74	23.5	19.4	29.2





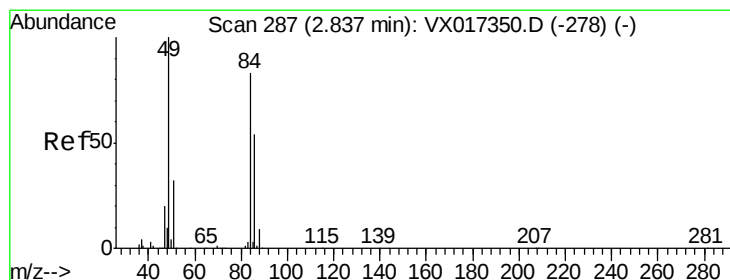
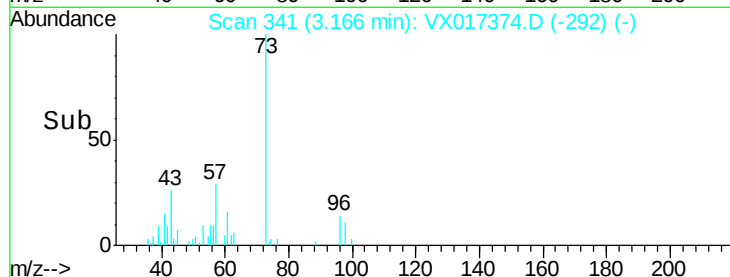
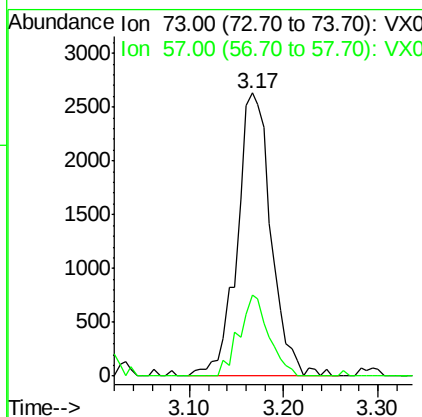
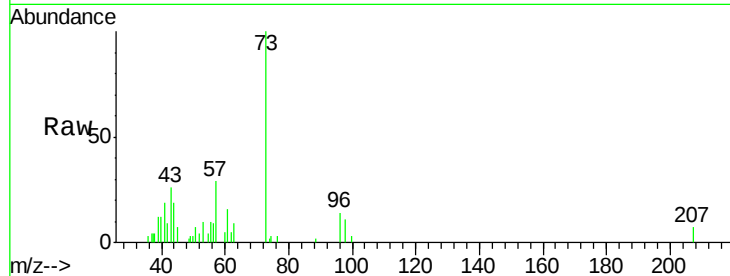
#19
Methyl tert-butyl Ether
Concen: 0.678 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 73 Resp: 6610
Ion Ratio Lower Upper
73 100
57 28.6 17.5 26.3#

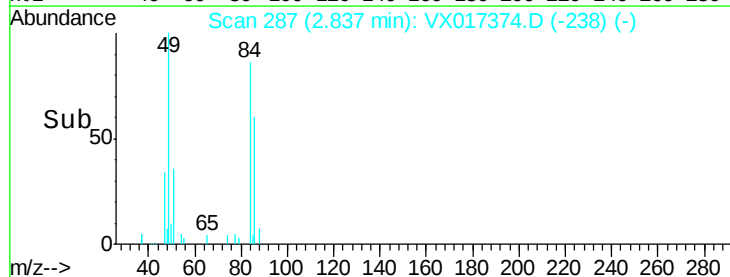
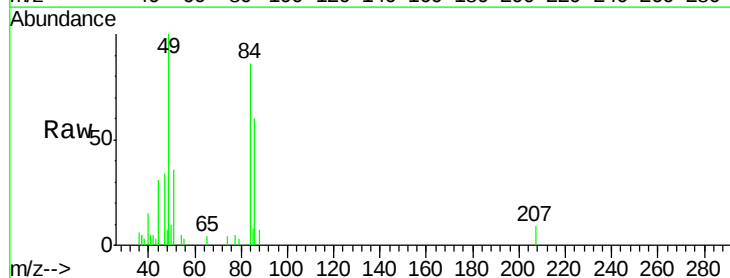
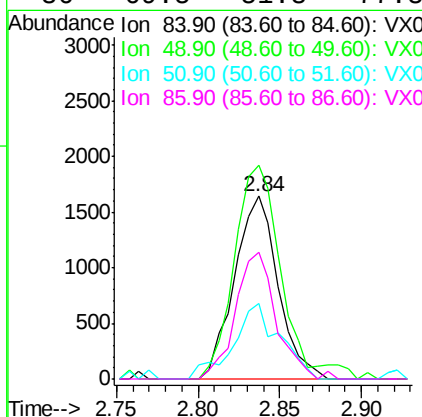
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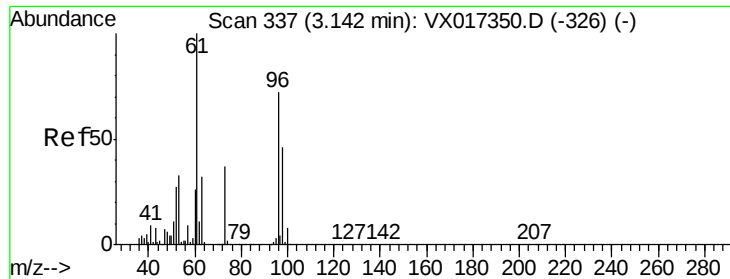
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#20
Methylene Chloride
Concen: 0.888 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 84 Resp: 3058
Ion Ratio Lower Upper
84 100
49 116.9 95.8 143.8
51 41.7 31.0 46.4
86 69.5 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 0.763 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

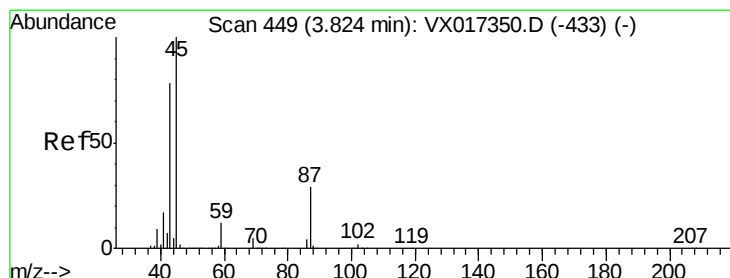
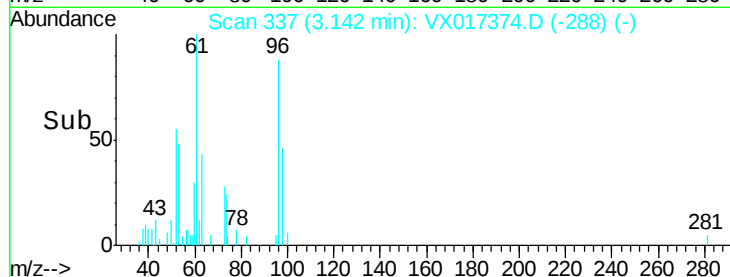
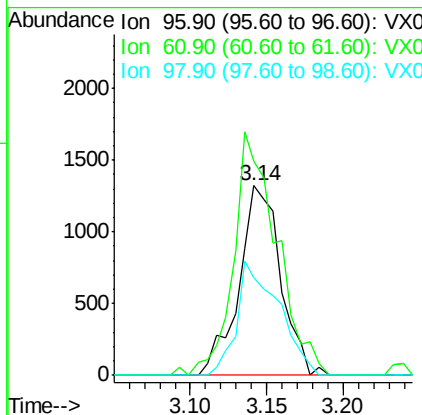
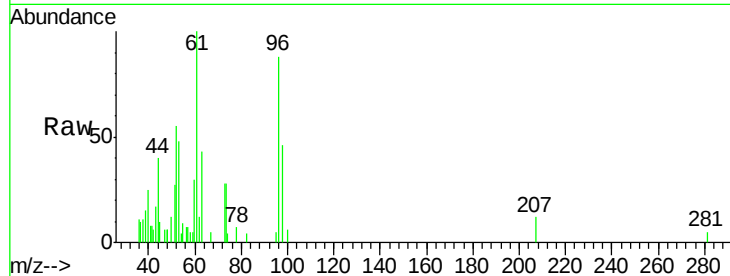
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	96	Resp:	2504
Ion	Ratio	Lower	Upper
96	100		
61	113.1	111.1	166.7
98	51.5	51.4	77.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 0.673 ug/l

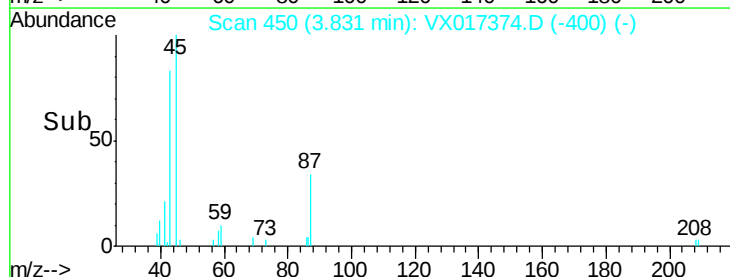
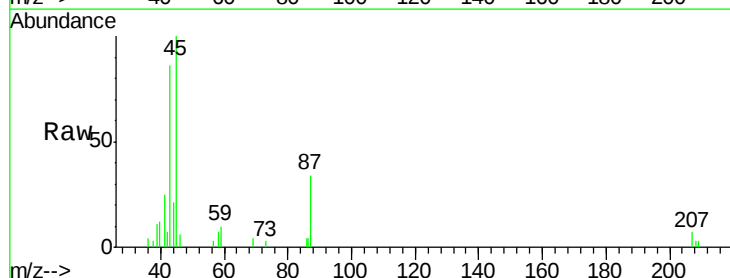
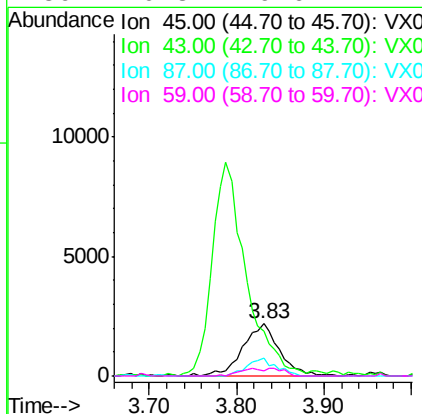
RT: 3.83 min Scan# 450

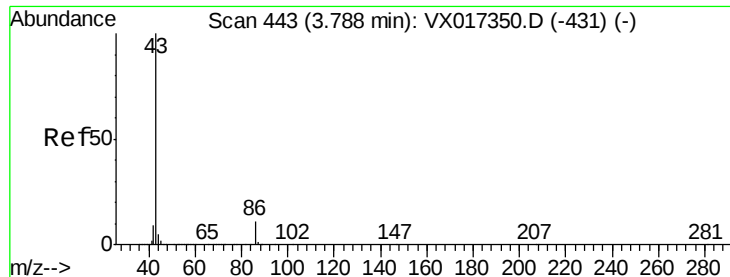
Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion:	45	Resp:	6371
Ion	Ratio	Lower	Upper
45	100		
43	78.8	62.2	93.2
87	33.6	23.0	34.6
59	10.3	9.6	14.4





#23

Vinyl Acetate

Concen: 2.897 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 24137

Ion Ratio Lower Upper

43 100

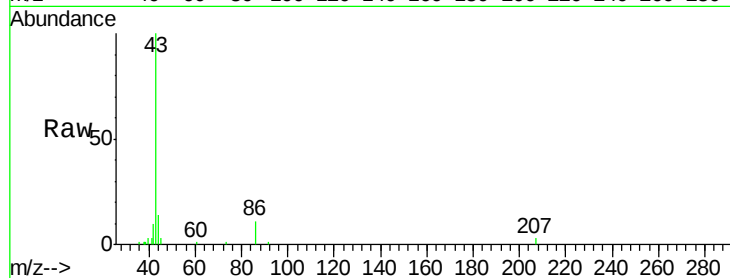
86 11.2 9.0 13.4

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 86.00 (85.70 to 86.70): VX0

3.79

10000

8000

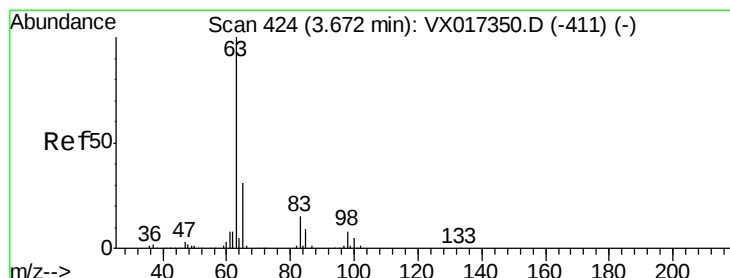
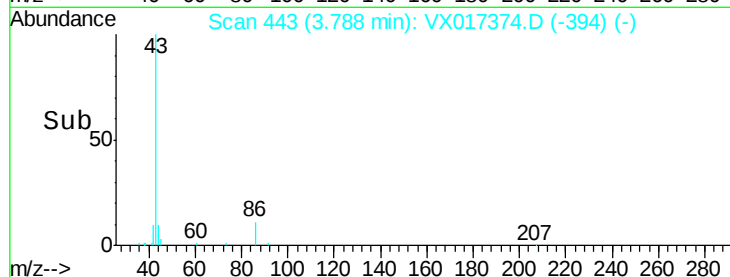
6000

4000

2000

0

Time-->



#24

1,1-Dichloroethane

Concen: 0.773 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

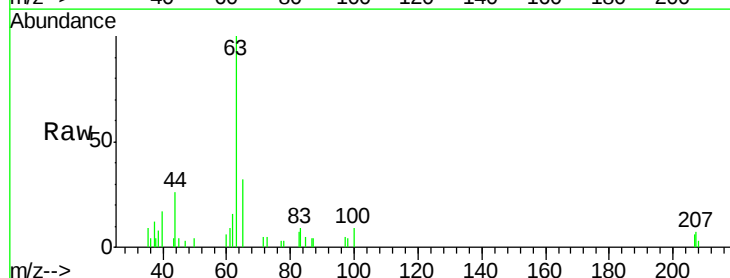
Tgt Ion: 63 Resp: 4306

Ion Ratio Lower Upper

63 100

98 4.0 3.9 11.5

100 8.8 2.5 7.5#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

Ion 99.90 (99.60 to 100.60): VX0

2500

2000

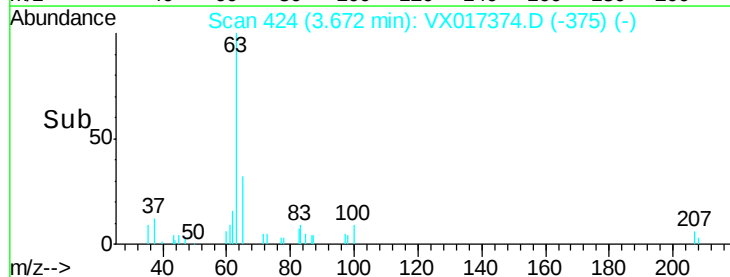
1500

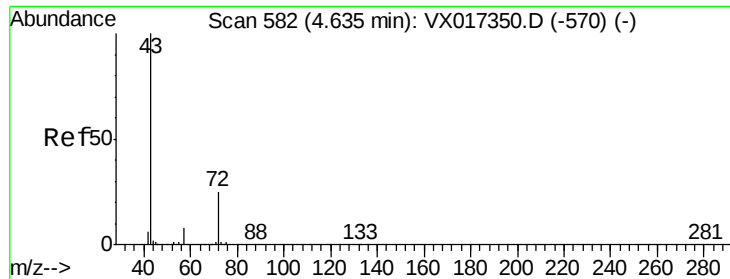
1000

500

0

Time-->





#25

2-Butanone

Concen: 3.599 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 8073

Ion Ratio Lower Upper

43 100

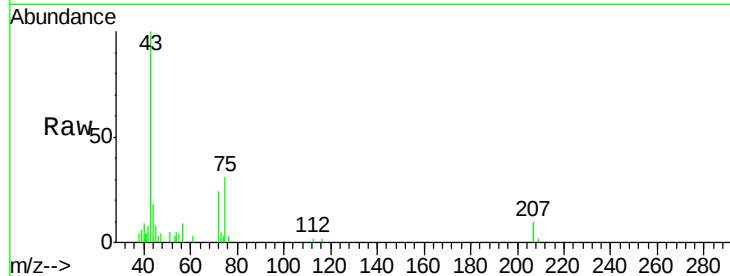
72 24.8 20.4 30.6

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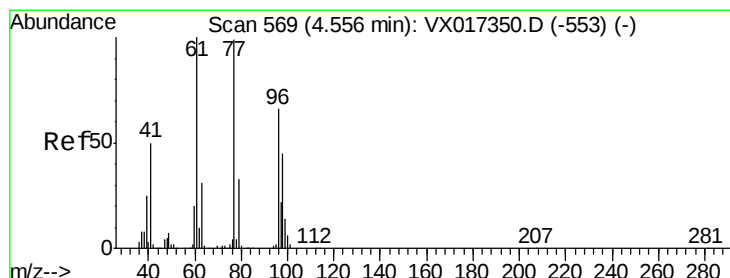
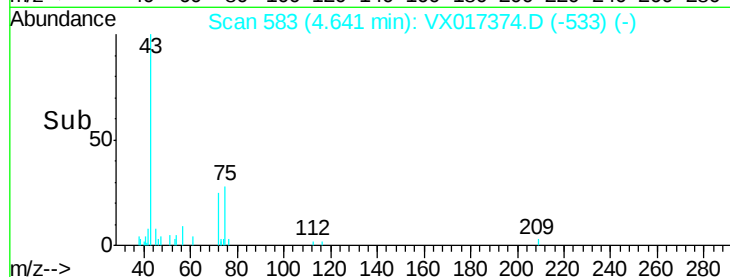
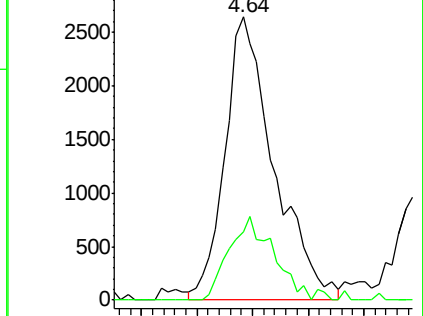
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.674 ug/l

RT: 4.54 min Scan# 567

Delta R.T. -0.01 min

Lab File: VX017374.D

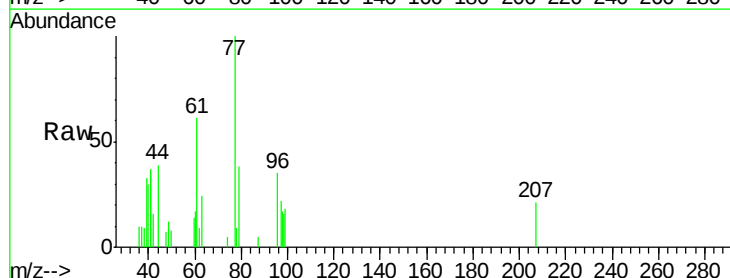
Acq: 14 Jul 2020 13:26

Tgt Ion: 77 Resp: 3490

Ion Ratio Lower Upper

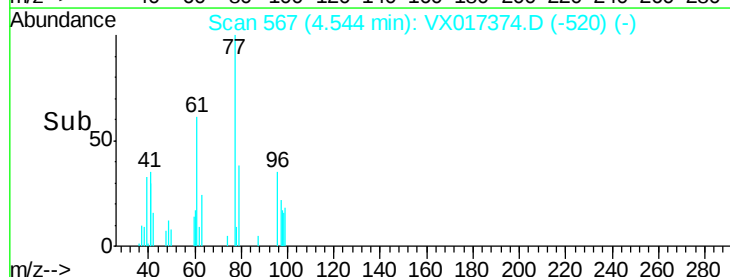
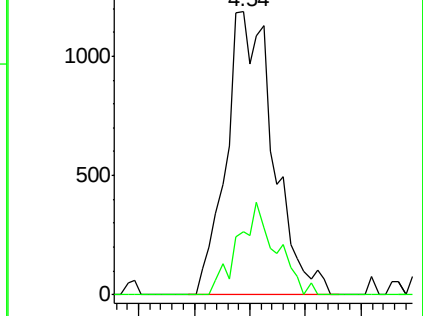
77 100

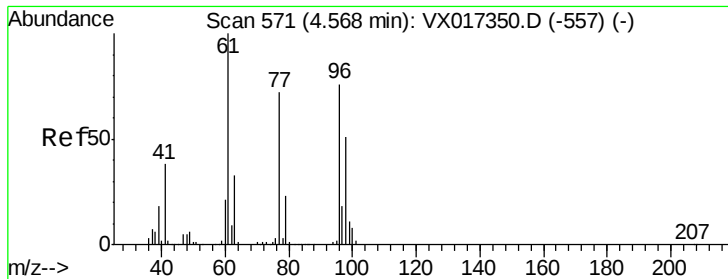
97 26.1 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





#27

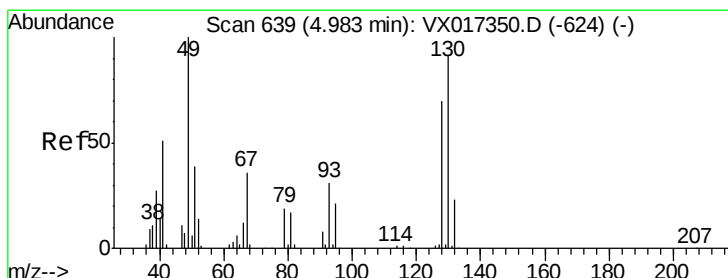
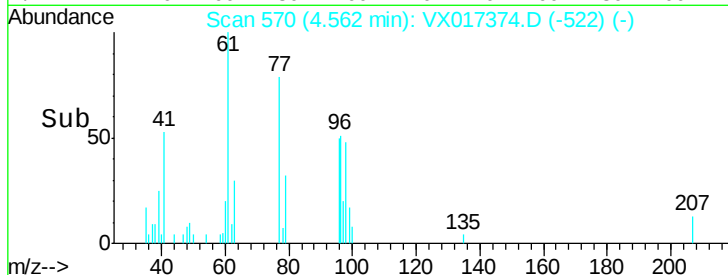
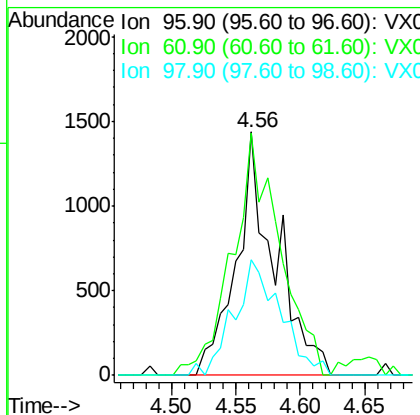
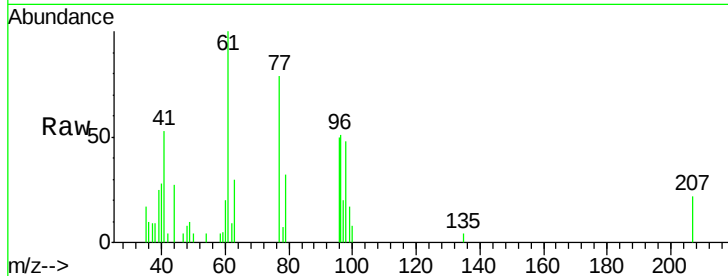
cis-1,2-Dichloroethene
Concen: 0.839 ug/l
RT: 4.56 min Scan# 570
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	120.9	0.0	281.2
98	57.0	0.0	131.4

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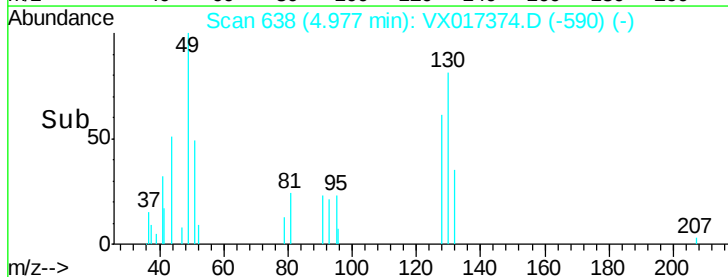
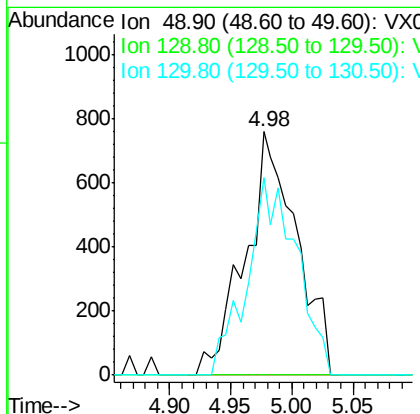
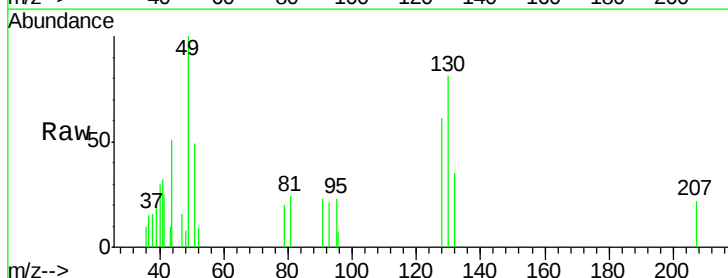
MMDadoda
7/15/2020 11:43:23 AM

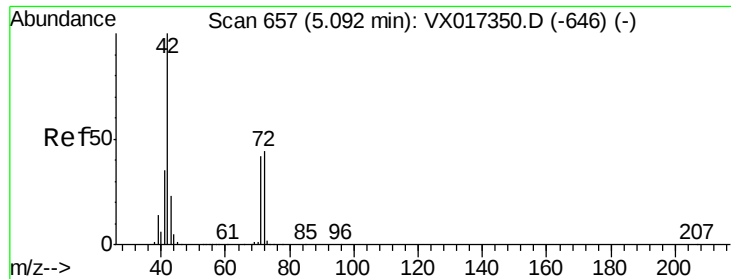


#28

Bromochloromethane
Concen: 0.858 ug/l
RT: 4.98 min Scan# 638
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	4.8
130	78.4	71.1	106.7





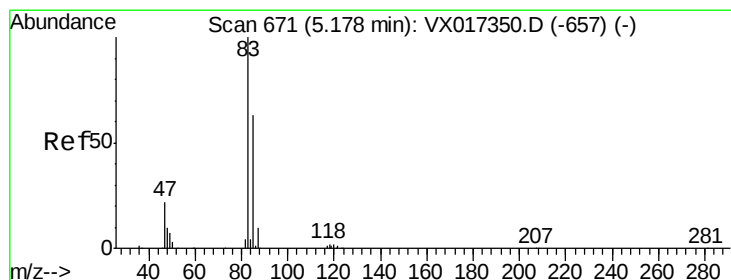
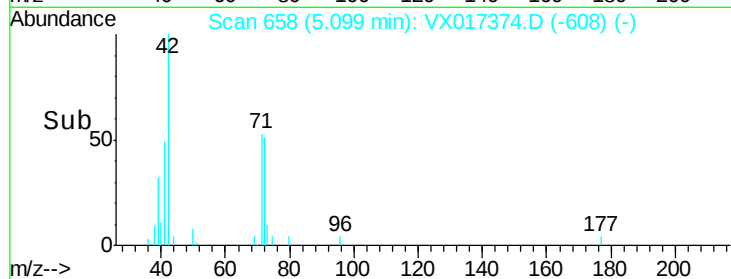
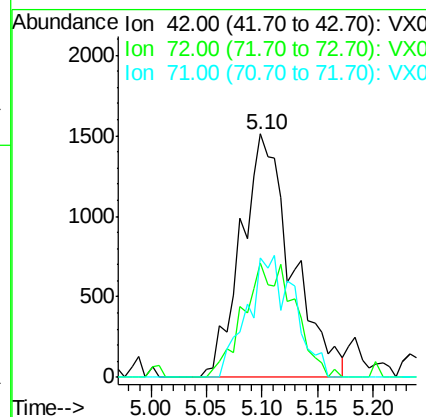
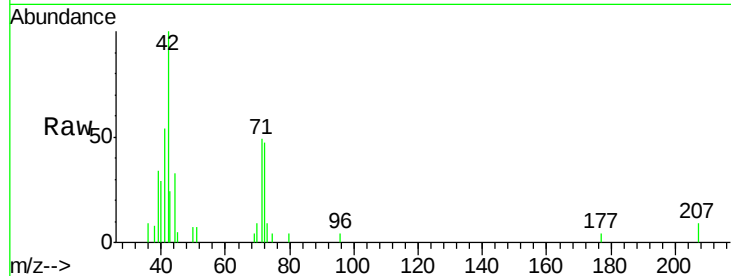
#29
Tetrahydrofuran
Concen: 3.302 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	47.4	37.2	55.8
71	46.2	34.4	51.6

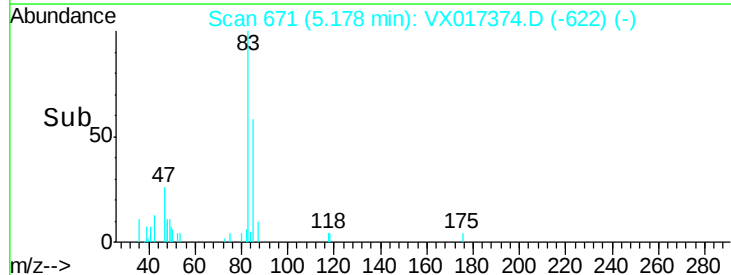
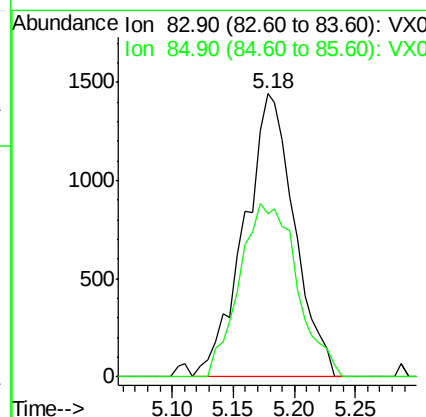
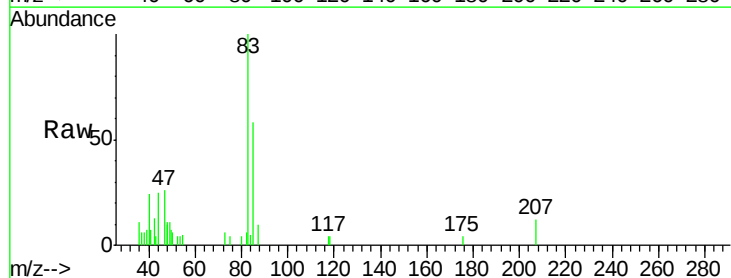
Manual Integrations
APPROVED

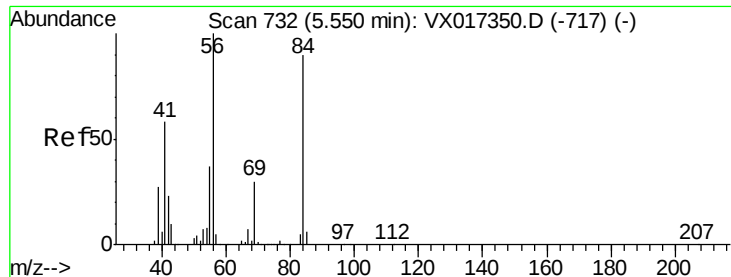
MMDadoda
7/15/2020 11:43:23 AM



#30
Chloroform
Concen: 0.687 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
83	100		
85	57.6	50.2	75.4





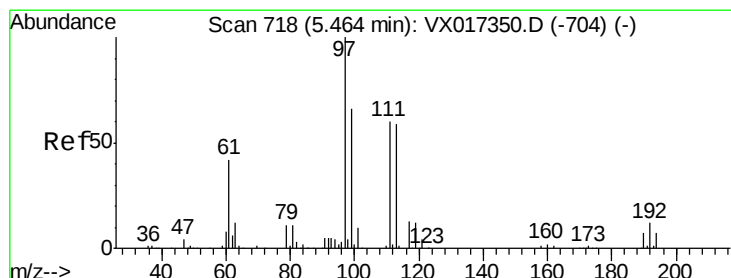
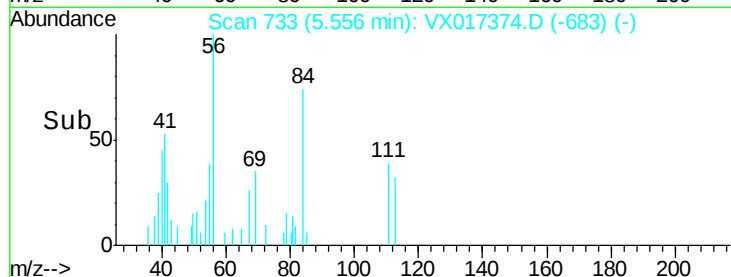
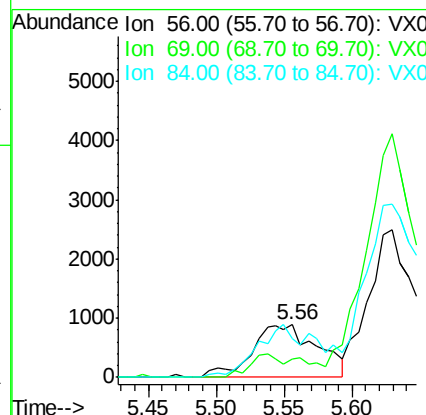
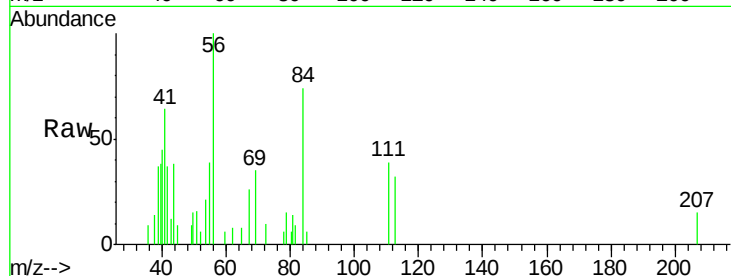
#31
Cyclohexane
Concen: 0.648 ug/l
RT: 5.56 min Scan# 733
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.4	23.7	35.5
84	74.2	71.8	107.6

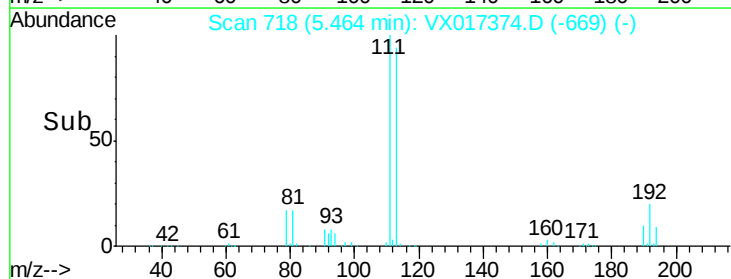
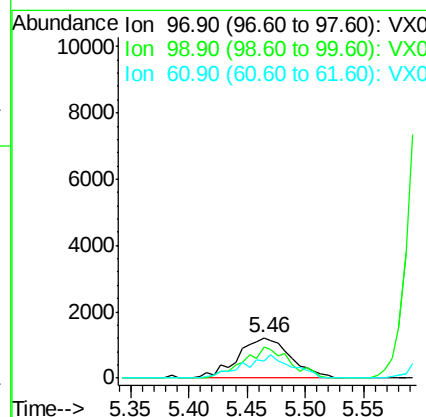
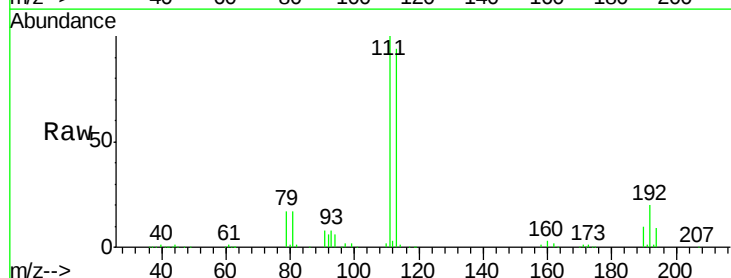
Manual Integrations
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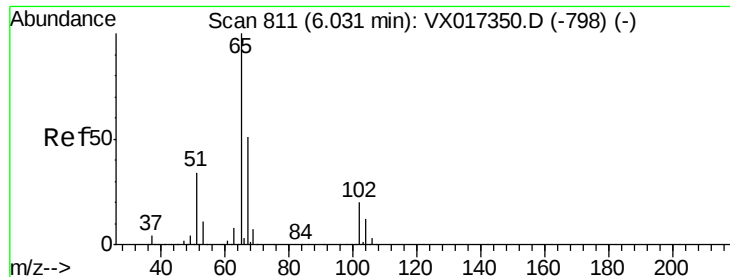
MMDadoda
7/15/2020 11:43:23 AM



#32
1,1,1-Trichloroethane
Concen: 0.693 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	51.0	32.7	49.1#





#33

1,2-Dichloroethane-d4

Concen: 45.495 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 65 Resp: 180092

Ion Ratio Lower Upper

65 100

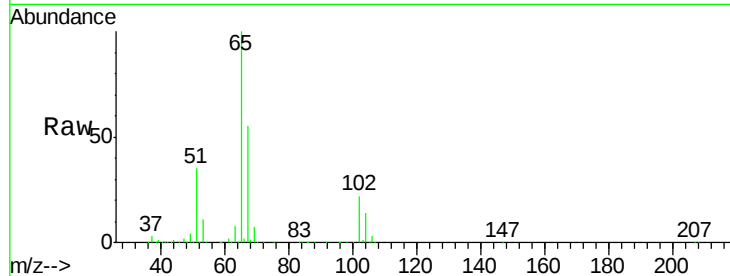
67 52.1 0.0 101.6

Manual Integrations

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MMDadoda

7/15/2020 11:43:23 AM



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

80000

60000

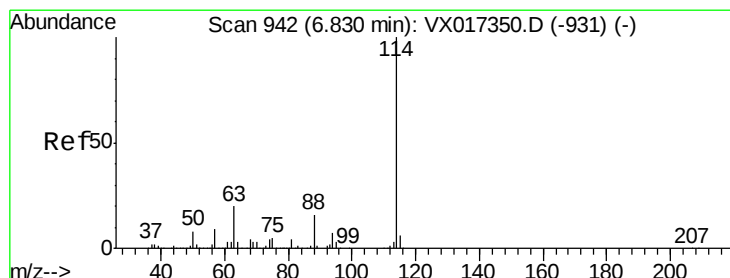
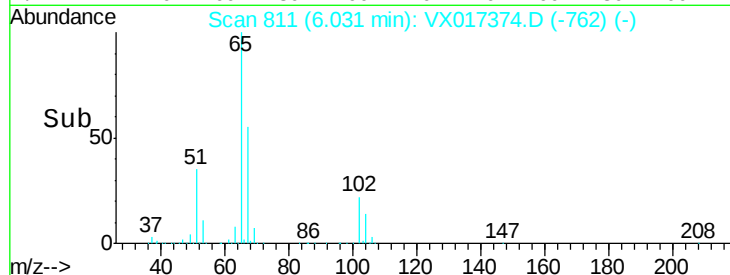
40000

20000

0

Time-->

5.90 6.00 6.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

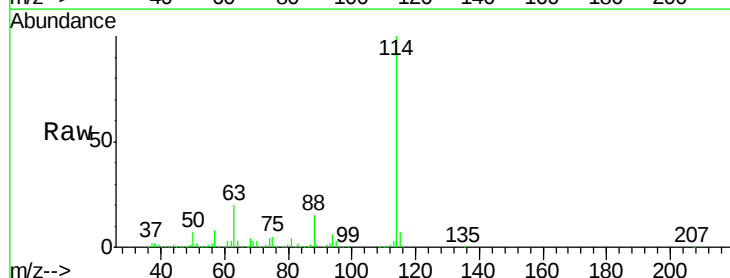
Tgt Ion: 114 Resp: 507942

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.5 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

300000

250000

200000

150000

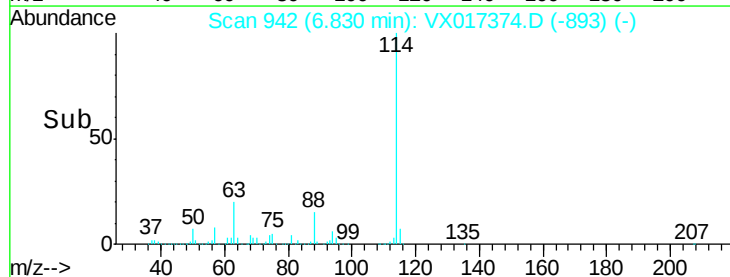
100000

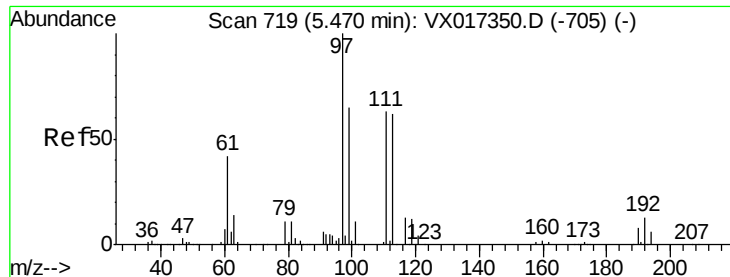
50000

0

Time-->

6.70 6.80 6.90 7.00





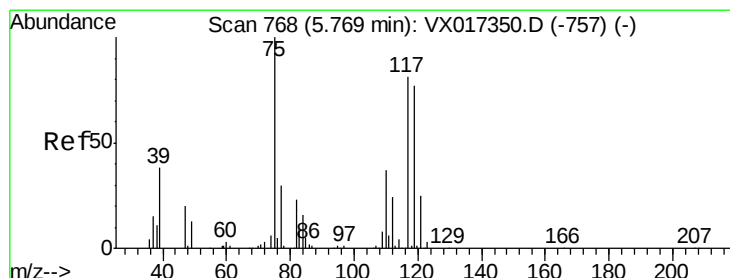
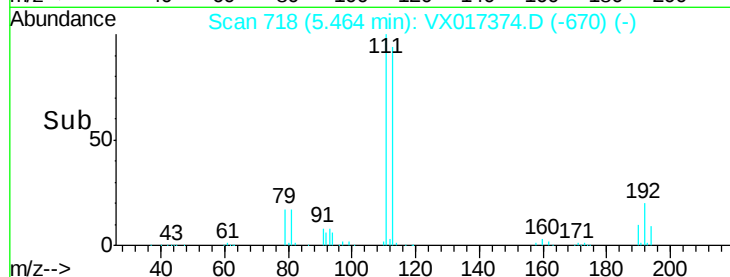
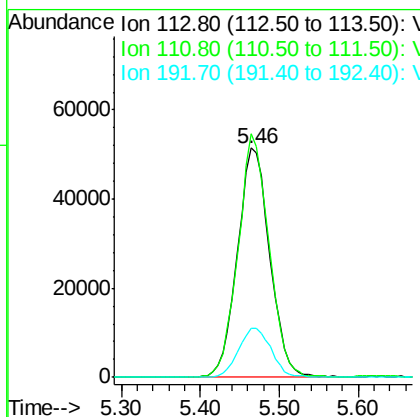
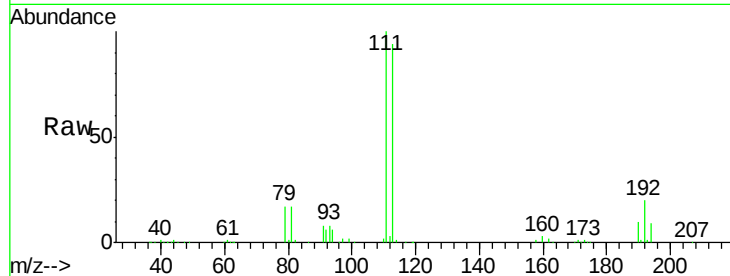
#35
 Dibromofluoromethane
 Concen: 42.818 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	146504		
111	101.8	82.4	123.6	
192	21.8	17.2	25.8	

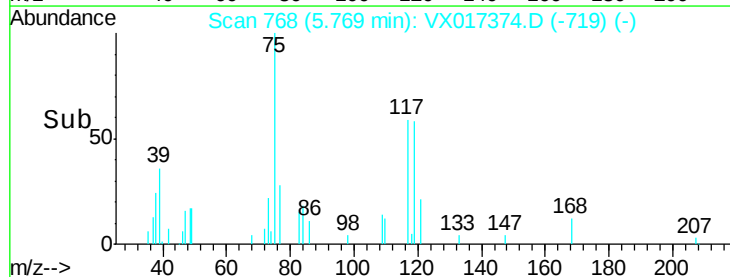
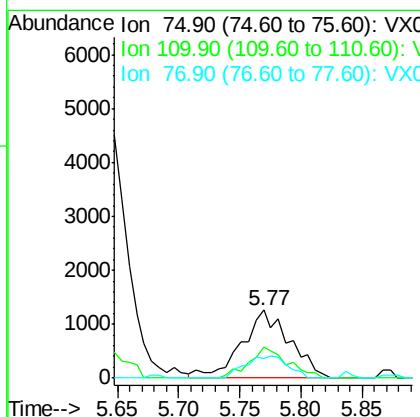
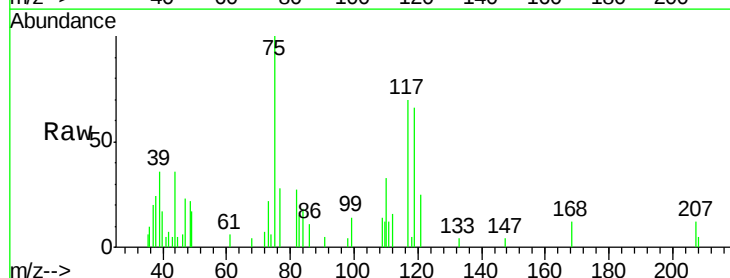
Manual Integrations
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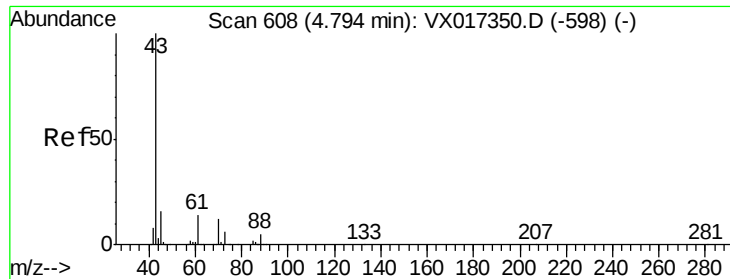
MMDadoda
 7/15/2020 11:43:23 AM



#36
 1,1-Dichloropropene
 Concen: 0.729 ug/l
 RT: 5.77 min Scan# 768
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	3407		
110	36.8	18.6	55.8	
77	29.1	24.9	37.3	





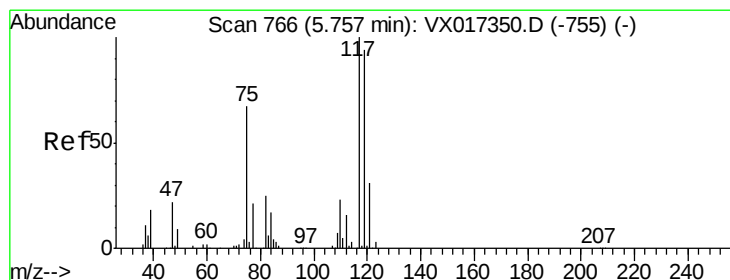
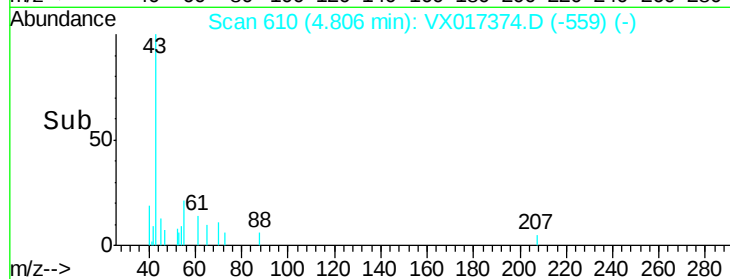
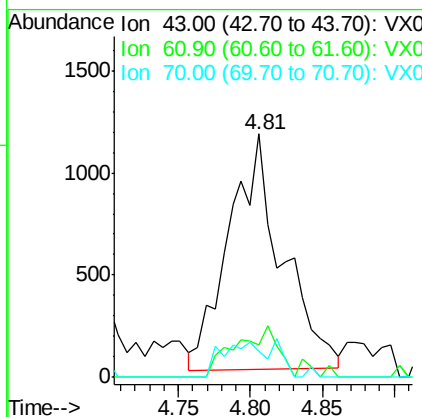
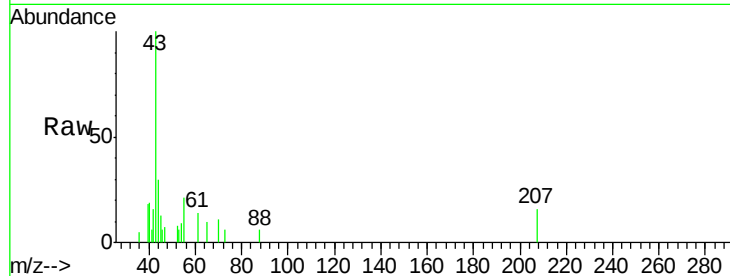
#37
Ethyl Acetate
Concen: 0.612 ug/l
RT: 4.81 min Scan# 610
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.3	10.7	16.1#
70	11.6	9.0	13.6

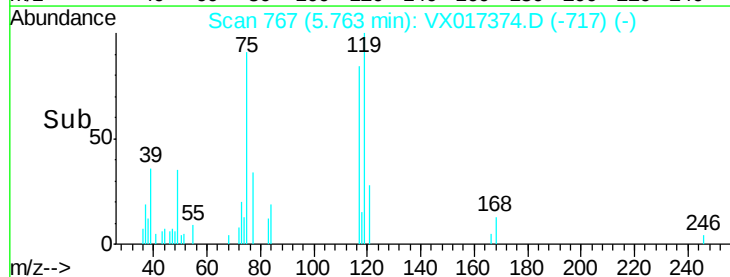
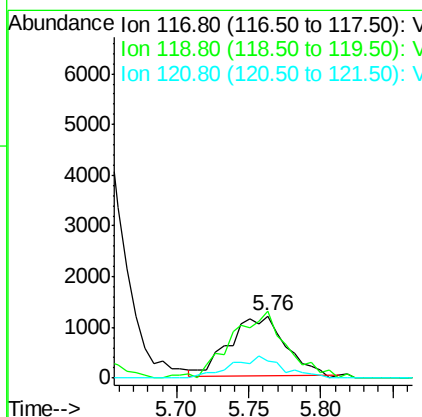
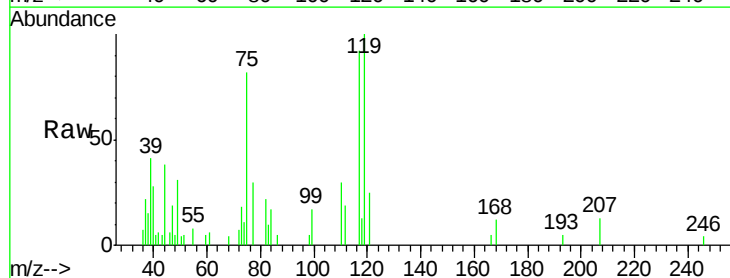
Manual Integrations
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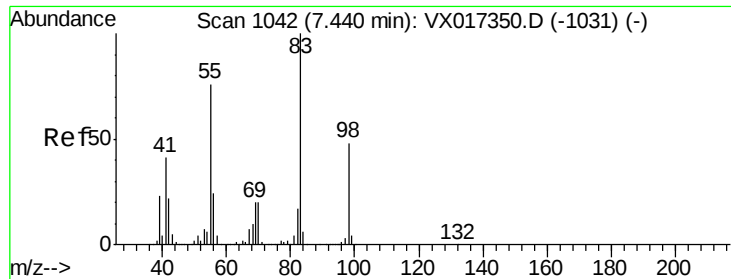
MMDadoda
7/15/2020 11:43:23 AM



#38
Carbon Tetrachloride
Concen: 0.572 ug/l
RT: 5.76 min Scan# 767
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
119	113.7	74.7	112.1#
121	28.3	24.5	36.7





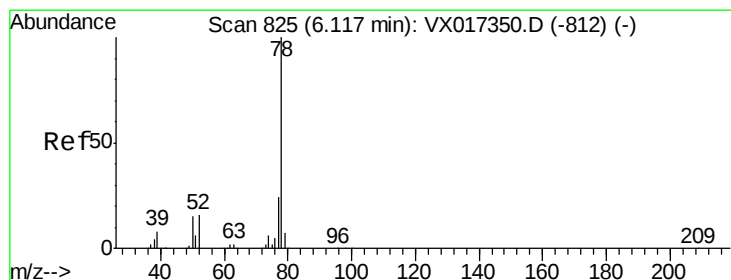
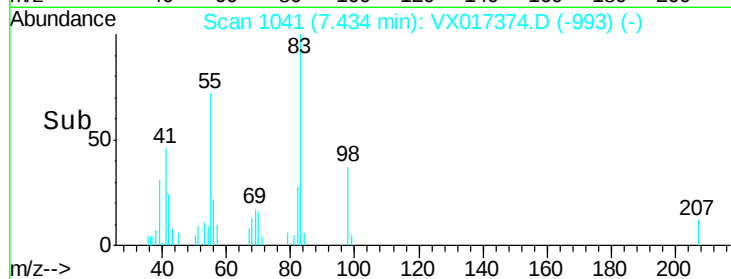
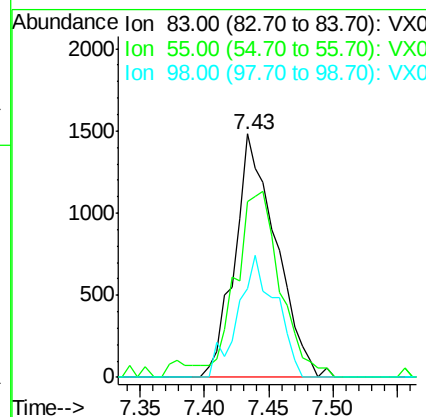
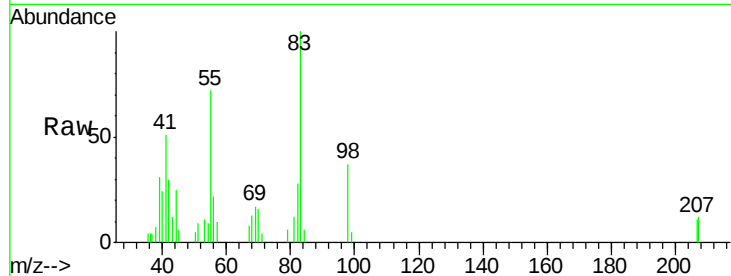
#39
Methvlcvclohexane
Concen: 0.654 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
83	100		
55	72.0	61.2	91.8
98	36.7	38.1	57.1

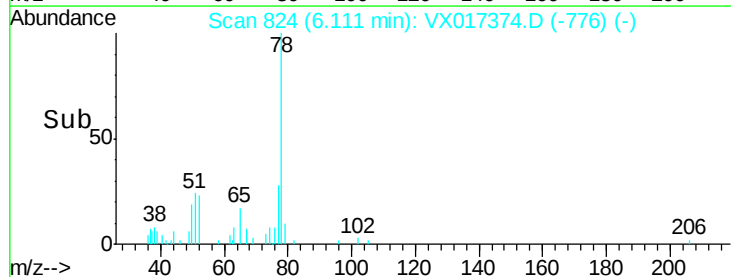
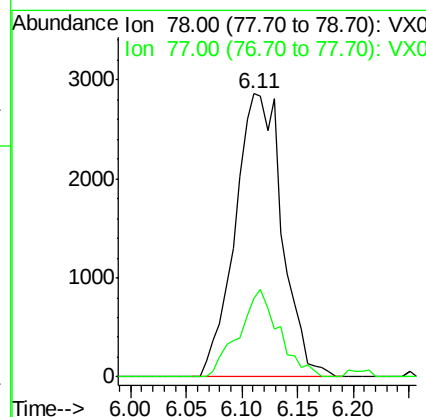
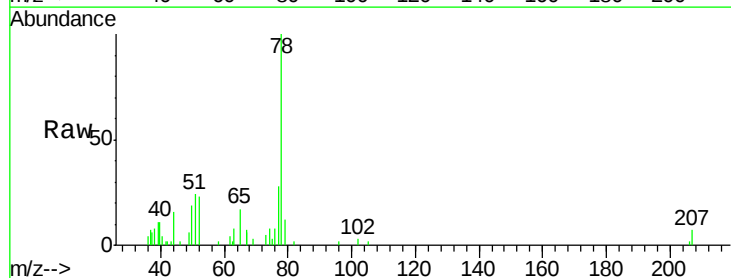
Manual Integrations
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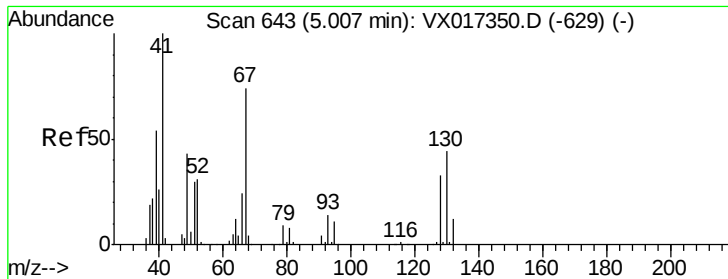
MMDadoda
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#40
Benzene
Concen: 0.627 ug/l
RT: 6.11 min Scan# 824
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.8	18.9	28.3





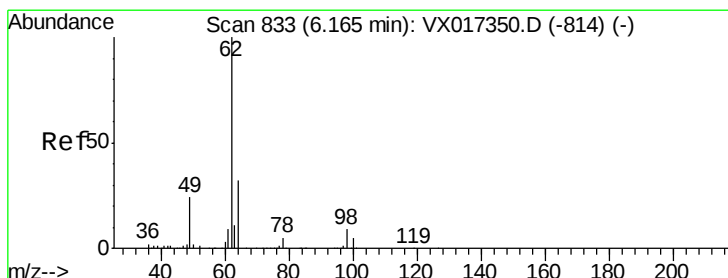
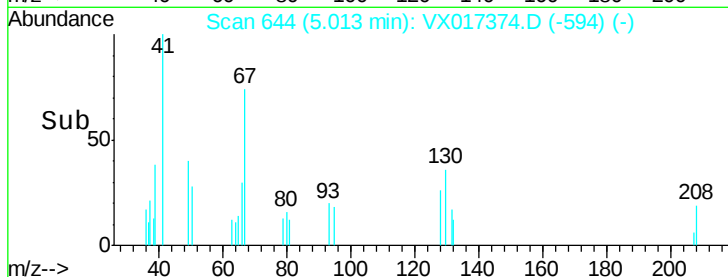
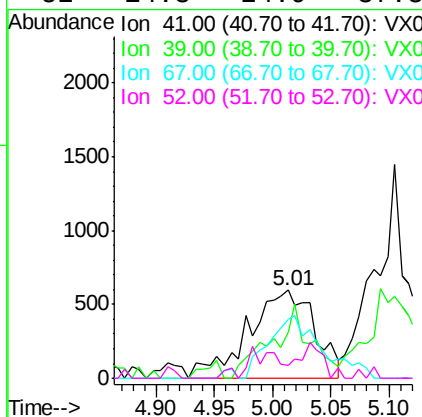
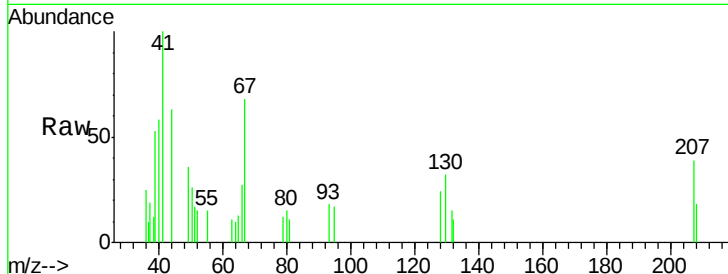
#41
Methacrylonitrile
Concen: 0.903 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
41	100		
39	50.9	43.8	65.8
67	57.4	58.7	88.1#
52	14.3	24.9	37.3#

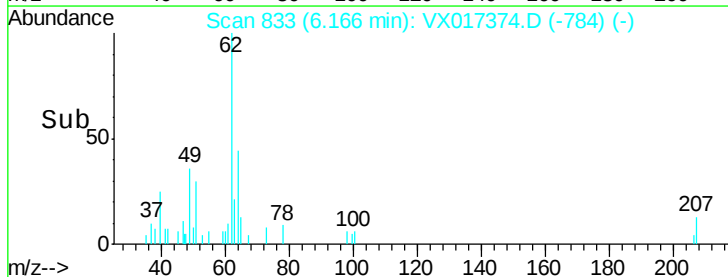
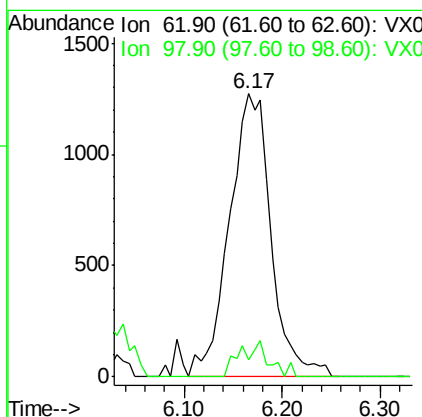
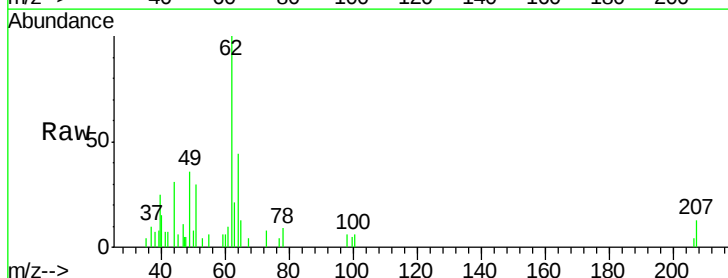
Manual Integrations
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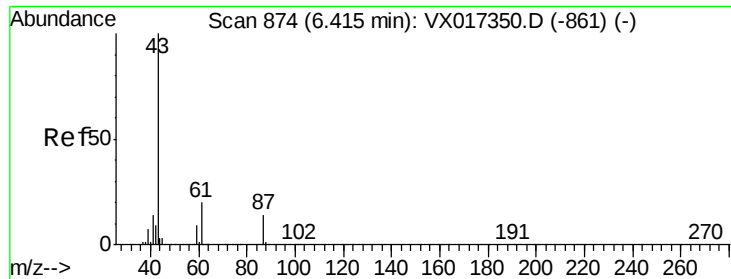
MMDadoda
7/15/2020 11:43:23 AM



#42
1,2-Dichloroethane
Concen: 0.723 ug/l
RT: 6.17 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
62	100		
98	3.8	0.0	19.4





#43

Isopropyl Acetate

Concen: 0.655 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

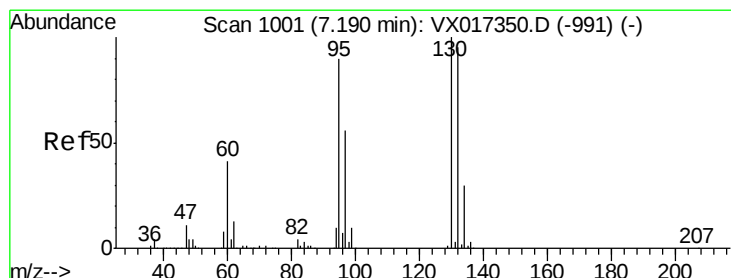
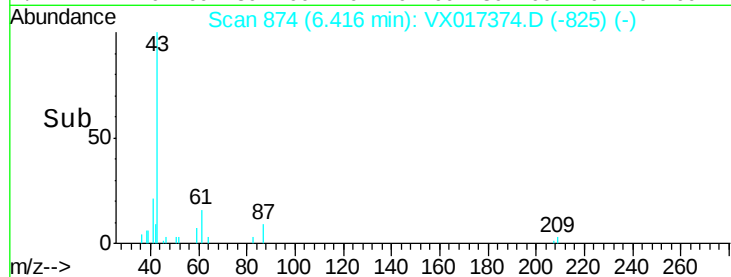
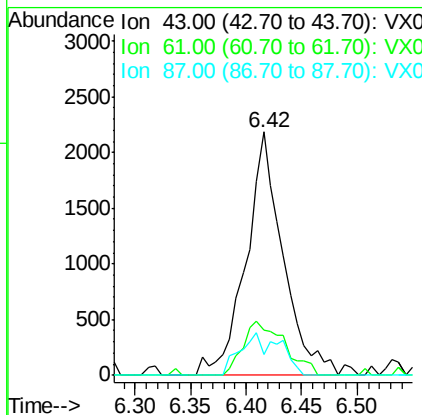
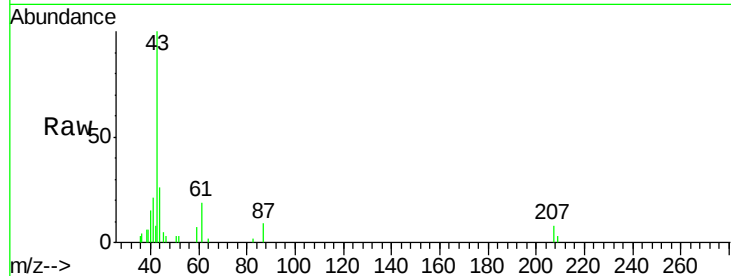
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	43	Resp:	5054
Ion	Ratio	Lower	Upper
43	100		
61	24.9	16.4	24.6#
87	10.7	11.2	16.8#

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7/15/2020 11:43:23 AM



#44

Trichloroethene

Concen: 0.729 ug/l

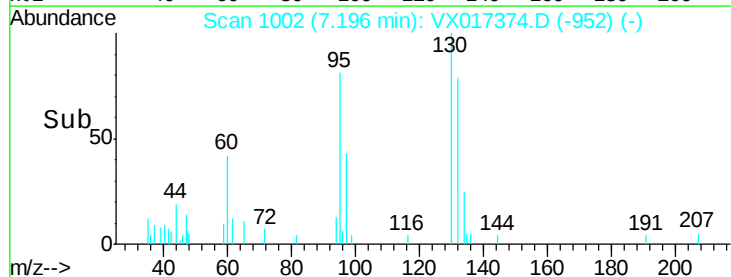
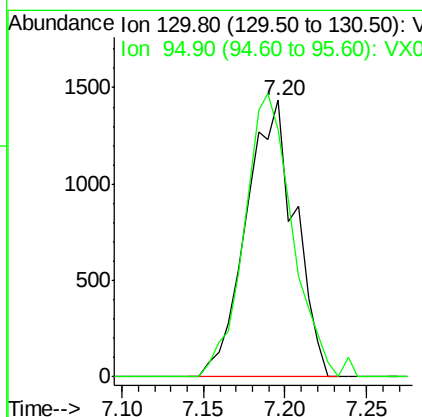
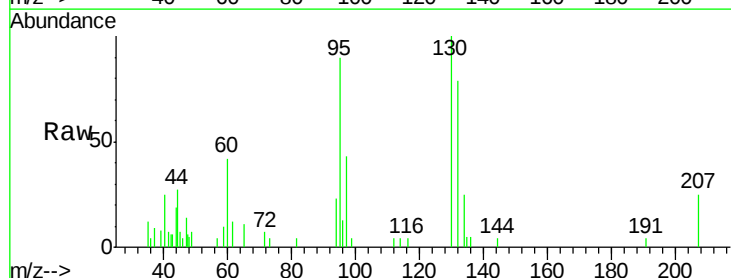
RT: 7.20 min Scan# 1002

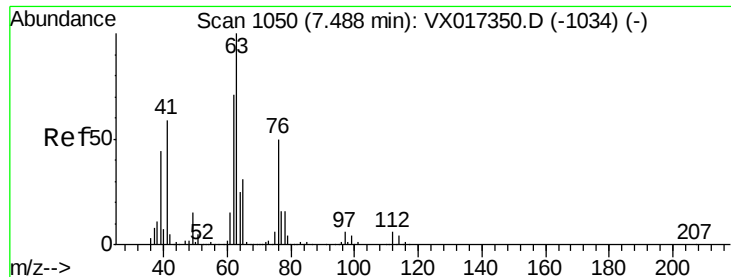
Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion:	130	Resp:	2990
Ion	Ratio	Lower	Upper
130	100		
95	89.5	0.0	180.2





#45

1,2-Dichloropropane

Concen: 0.646 ug/l

RT: 7.49 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 63 Resp: 2220

Ion Ratio Lower Upper

63 100

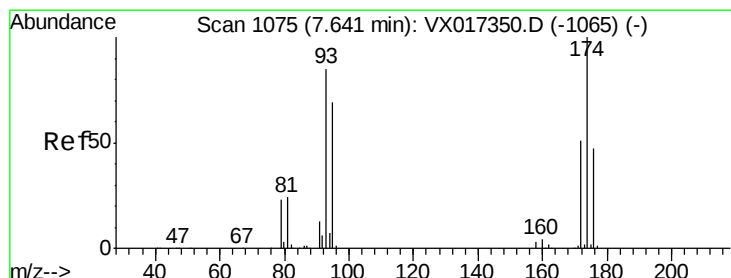
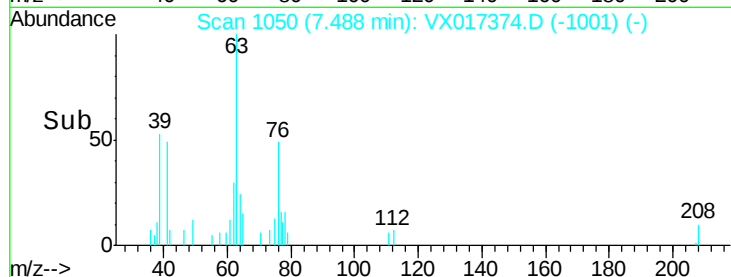
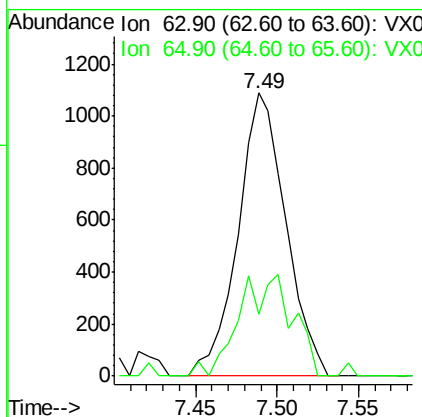
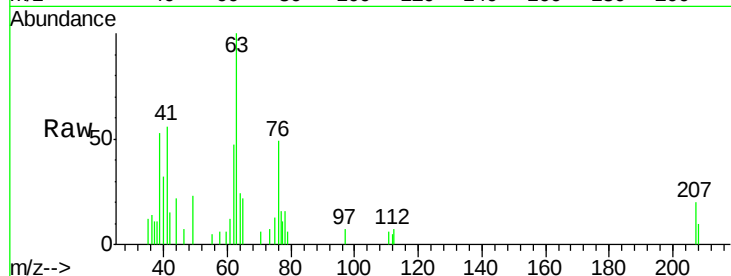
65 21.9 24.5 36.7#

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#46

Dibromomethane

Concen: 0.705 ug/l

RT: 7.64 min Scan# 1075

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

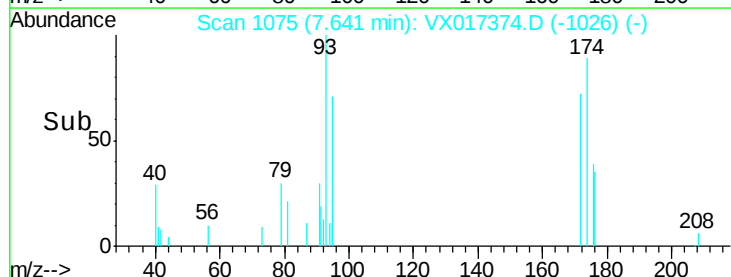
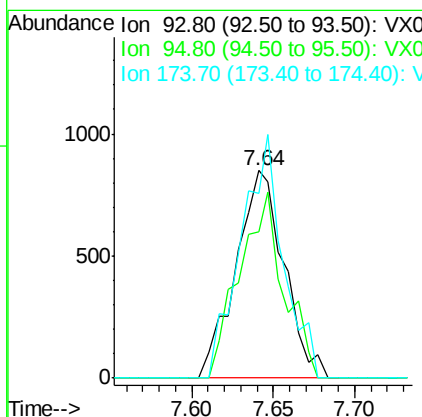
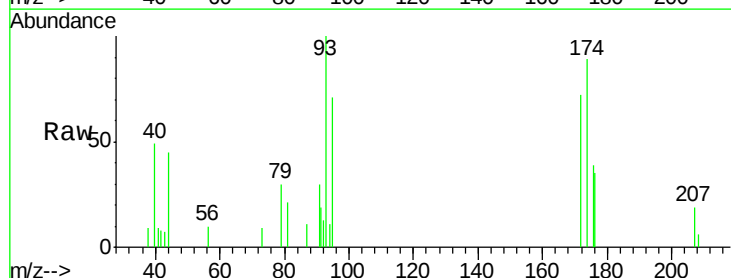
Tgt Ion: 93 Resp: 1746

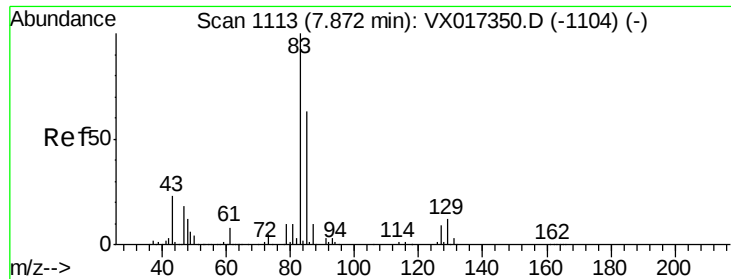
Ion Ratio Lower Upper

93 100

95 82.9 65.4 98.2

174 102.9 91.2 136.8





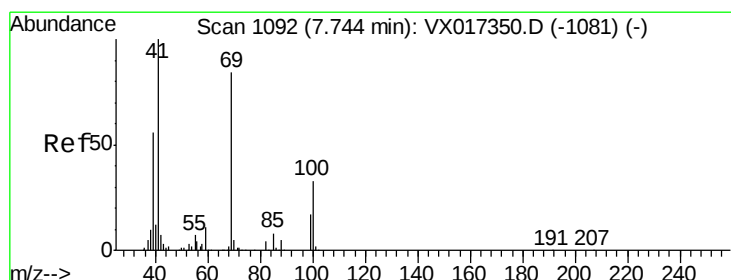
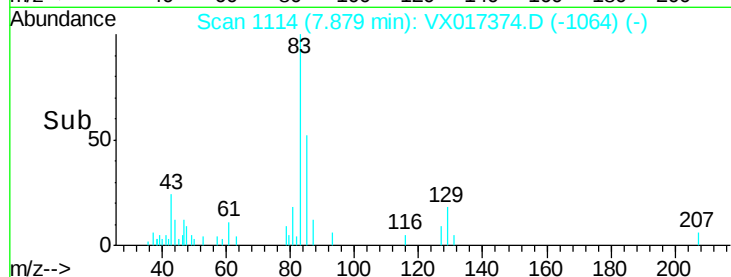
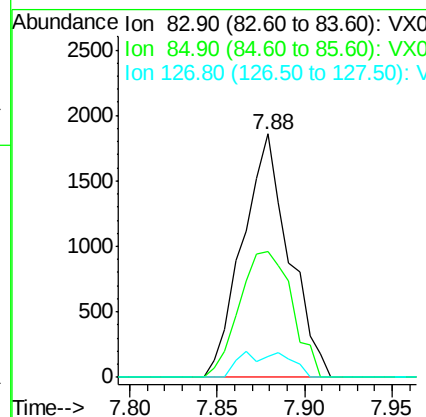
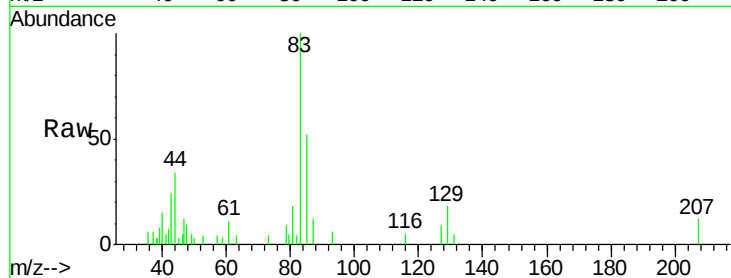
#47
Bromodichloromethane
Concen: 0.664 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	83	Resp	3438
Ion Ratio	100	Lower	Upper
83	100		
85	51.6	50.2	75.4
127	8.7	7.1	10.7

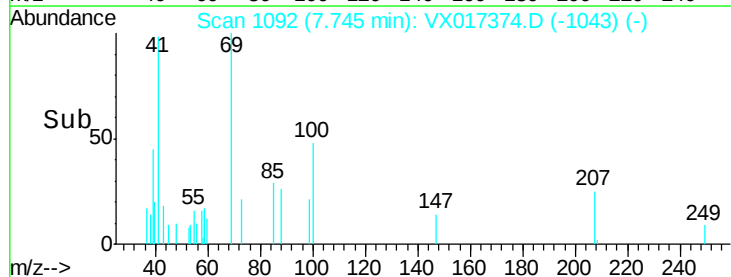
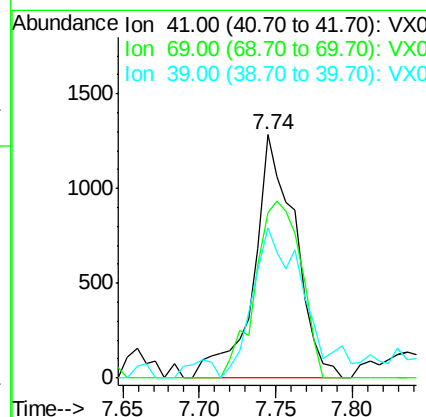
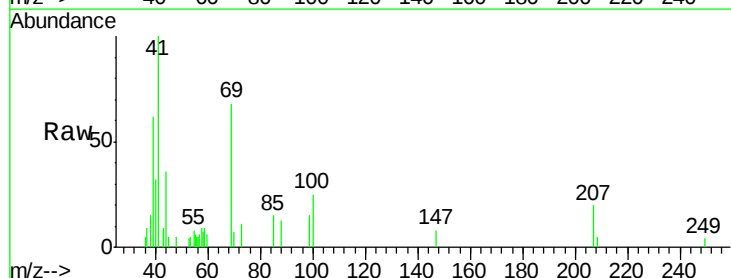
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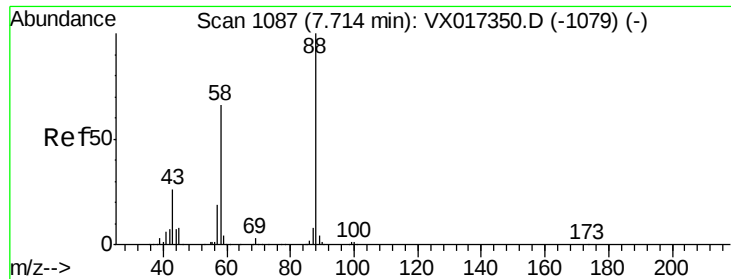
MMDadoda
7/15/2020 11:43:23 AM



#48
Methyl methacrylate
Concen: 0.652 ug/l
RT: 7.74 min Scan# 1092
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	41	Resp	2417
Ion Ratio	100	Lower	Upper
41	100		
69	80.5	67.8	101.6
39	77.0	45.1	67.7#





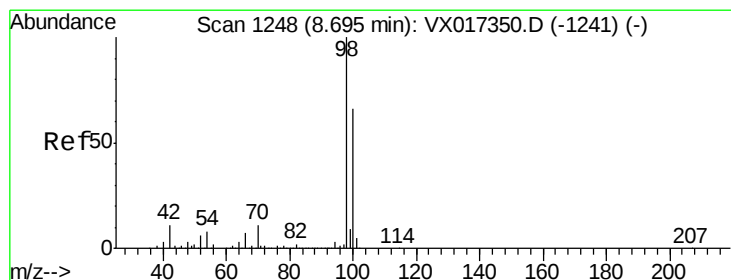
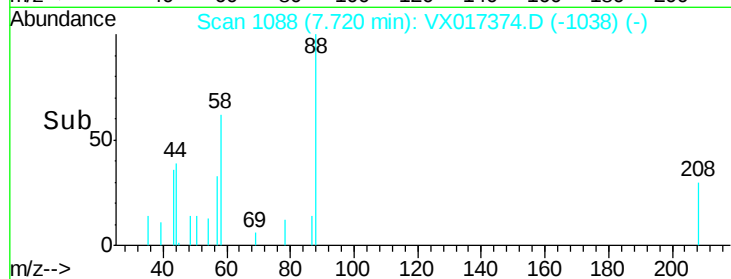
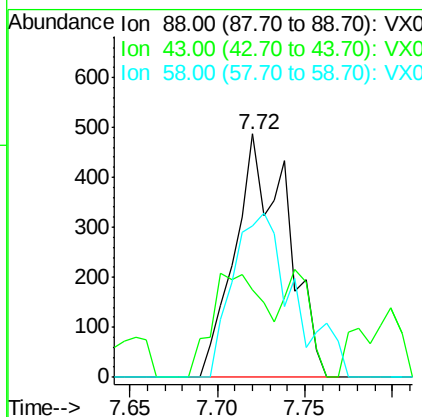
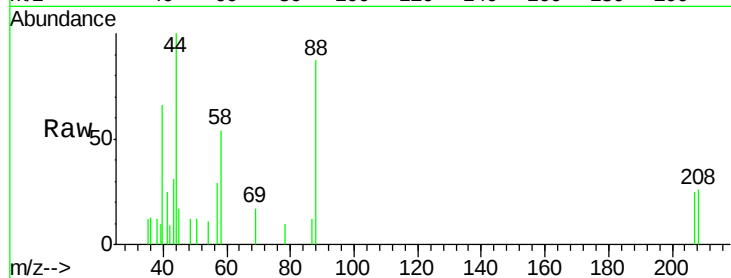
#49
1,4-Dioxane
Concen: 13.361 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	25.6	38.4#
58	79.0	53.9	80.9

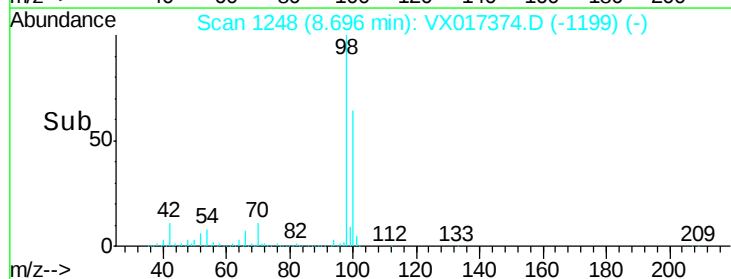
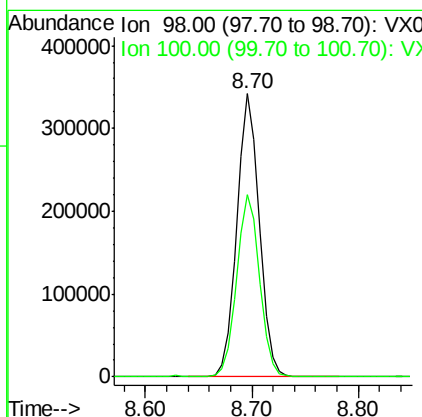
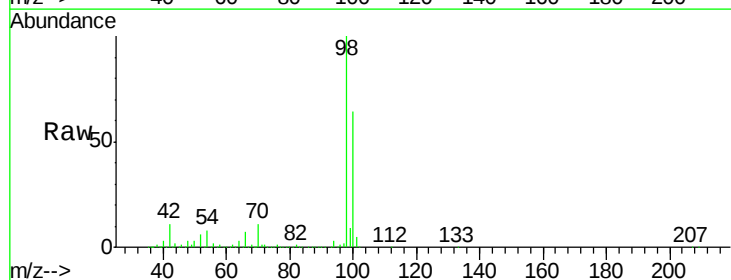
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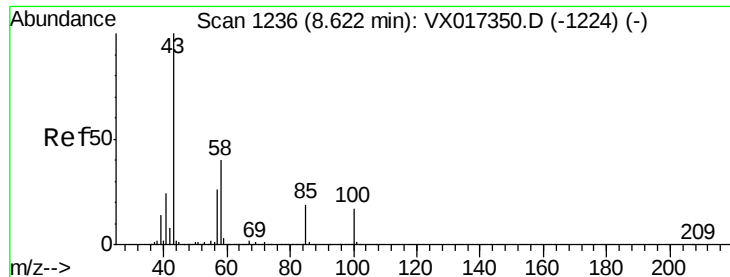
MMDadoda
7/15/2020 11:43:23 AM



#50
Toluene-d8
Concen: 41.139 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.3	53.4	80.2





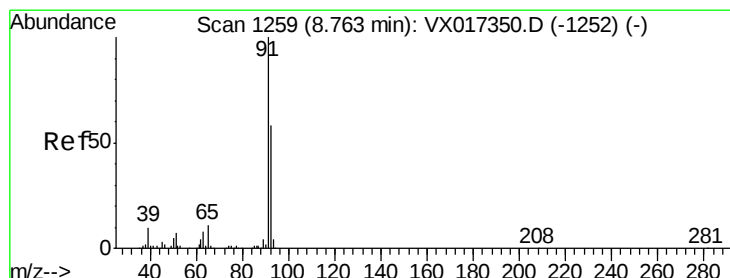
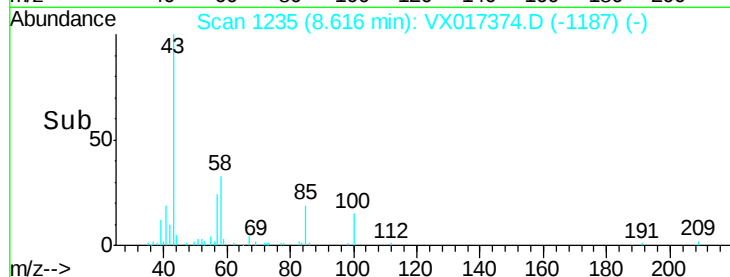
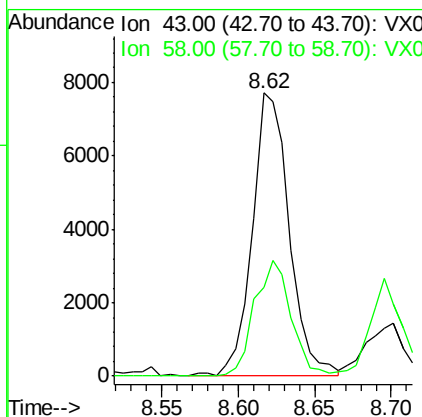
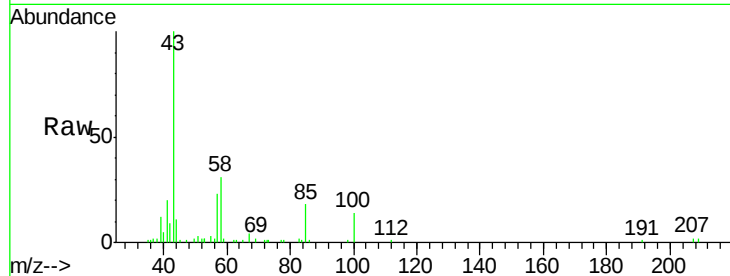
#51
4-Methyl-2-Pentanone
Concen: 2.762 ug/l
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.2	32.2	48.2

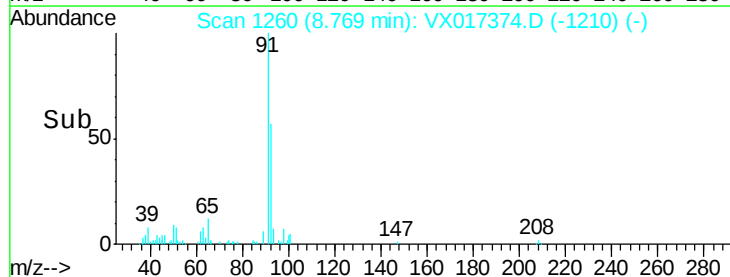
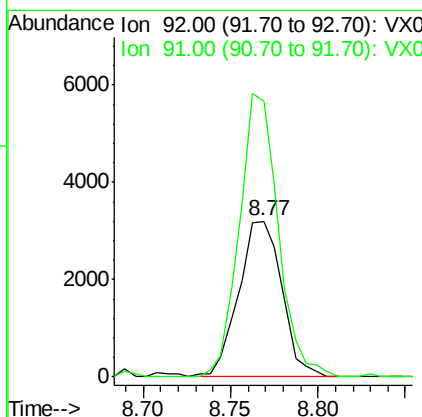
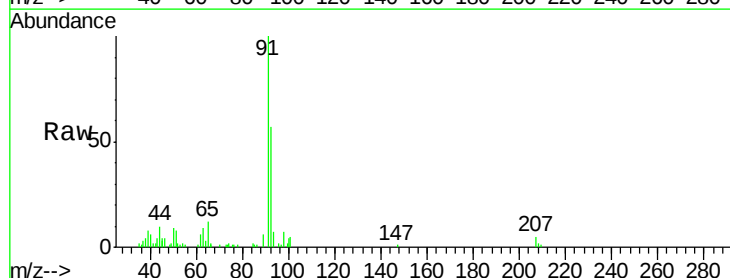
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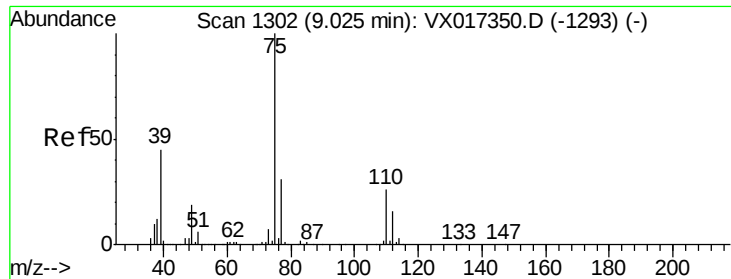
MMDadoda
7/15/2020 11:43:23 AM



#52
Toluene
Concen: 0.640 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
92	100		
91	163.5	136.7	205.1





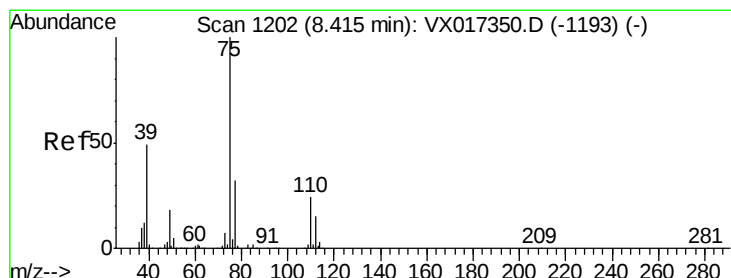
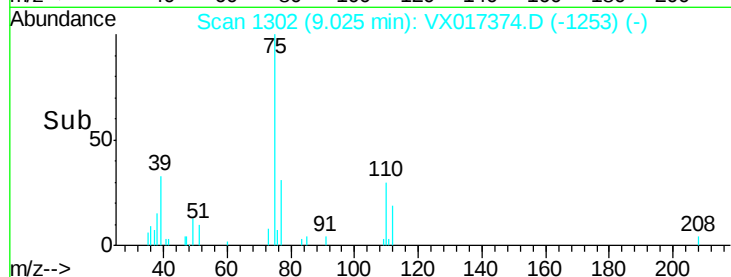
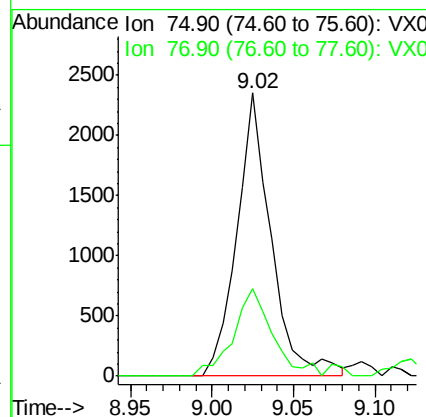
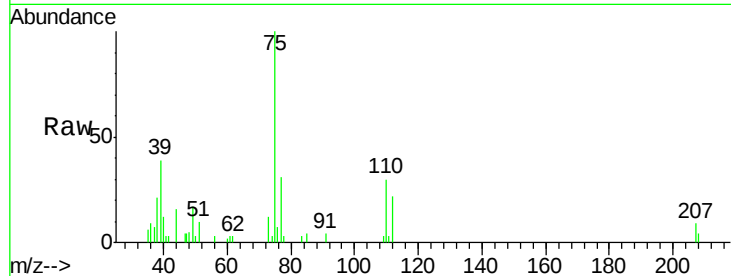
#53
 t-1,3-Dichloropropene
 Concen: 0.617 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

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

Tot Ion: 75 Resp: 3444
 Ion Ratio Lower Upper
 75 100
 77 30.8 25.0 37.6

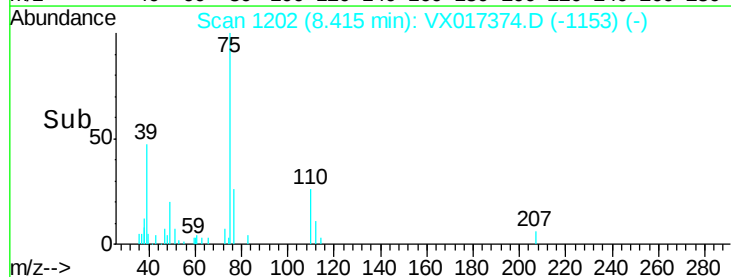
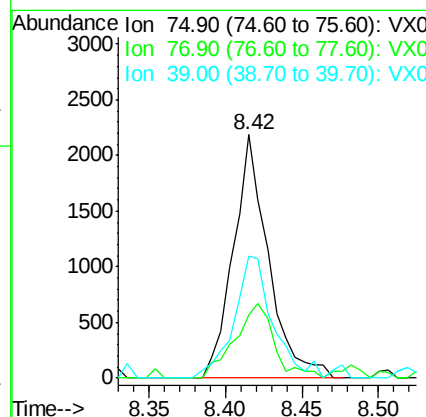
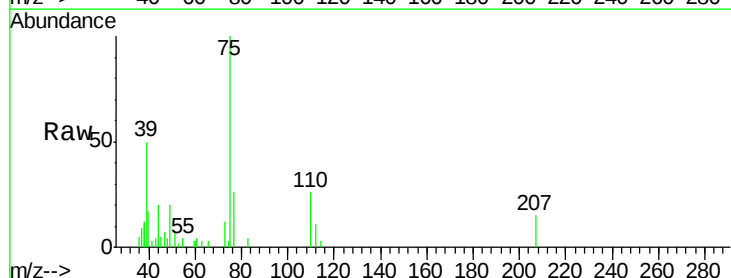
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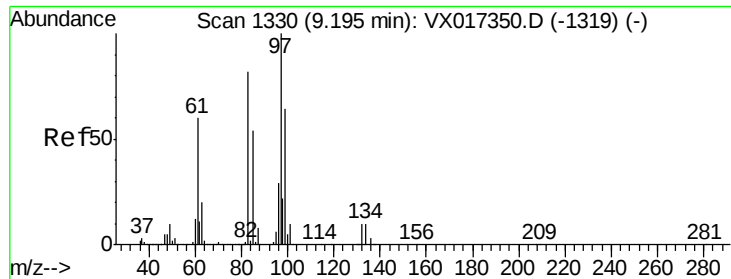
MMDadoda
 7/15/2020 11:43:23 AM



#54
 cis-1,3-Dichloropropene
 Concen: 0.586 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion: 75 Resp: 3488
 Ion Ratio Lower Upper
 75 100
 77 26.0 25.3 37.9
 39 50.3 38.9 58.3





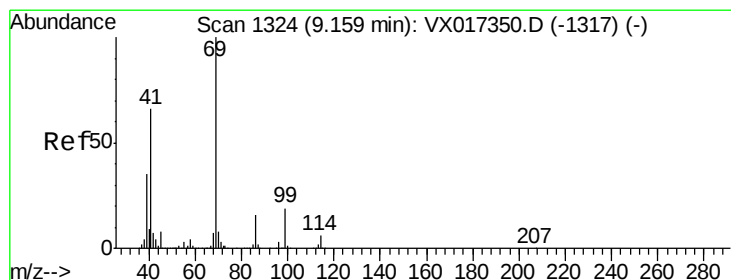
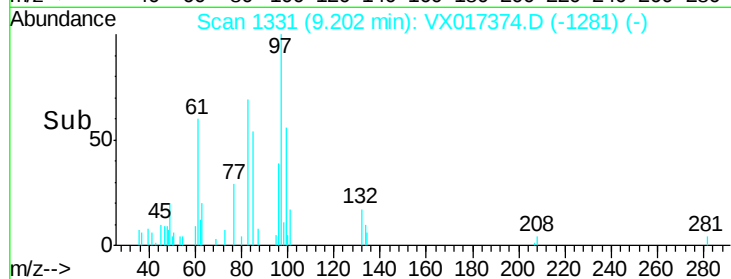
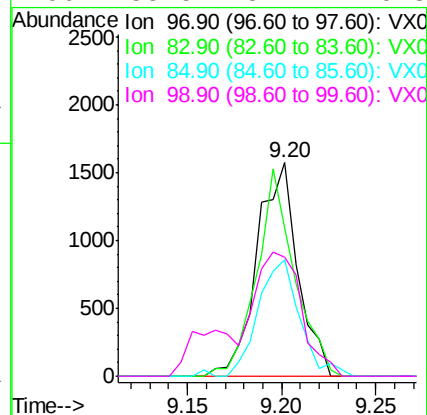
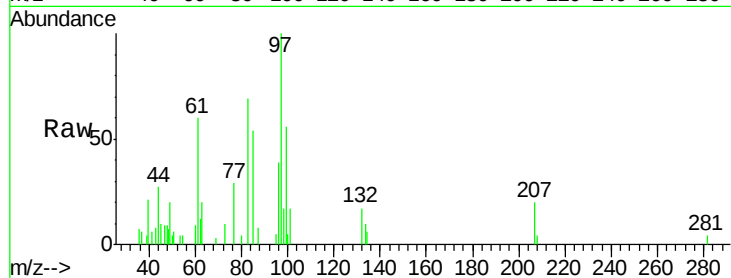
#55
 1,1,2-Trichloroethane
 Concen: 0.658 ug/l
 RT: 9.20 min Scan# 1331
 Delta R.T. 0.01 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
97	100		
83	69.3	65.8	98.6
85	54.4	42.8	64.2
99	55.5	51.2	76.8

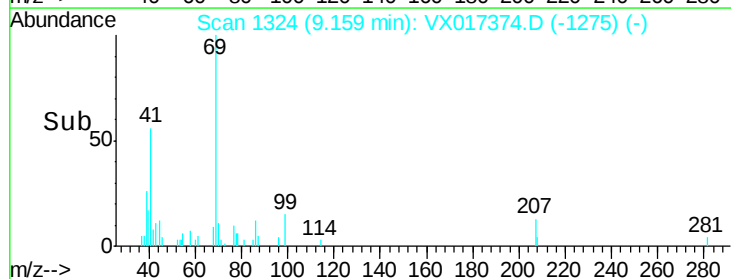
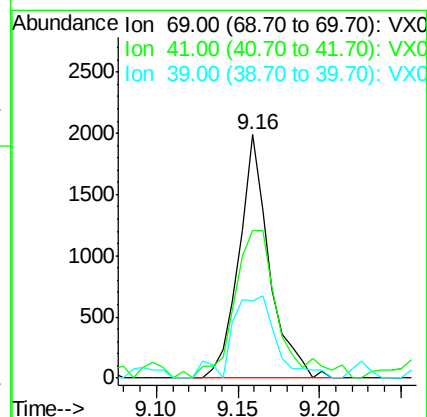
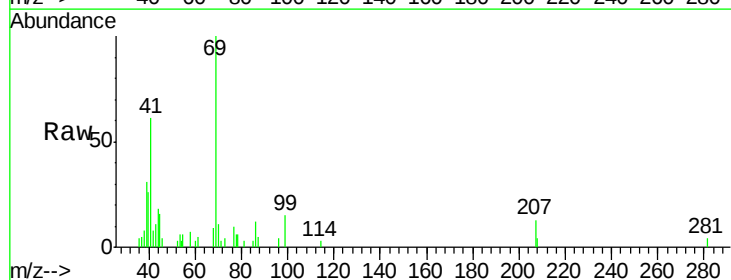
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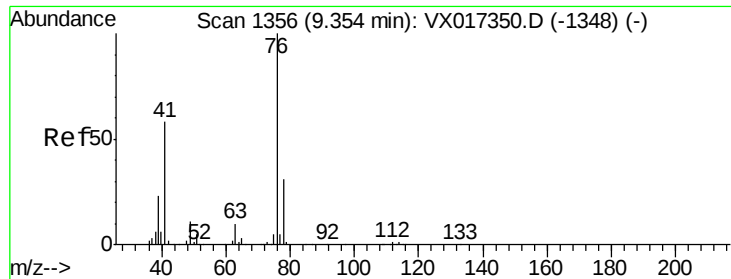
MMDadoda
 7/15/2020 11:43:23 AM



#56
 Ethyl methacrylate
 Concen: 0.505 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
69	100		
41	86.8	52.6	78.8#
39	49.9	28.8	43.2#





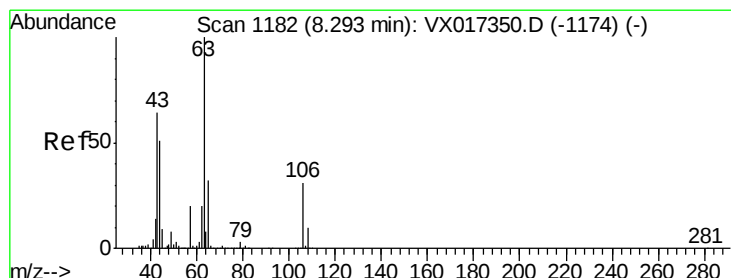
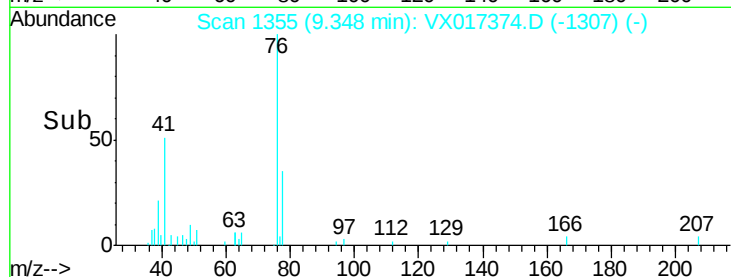
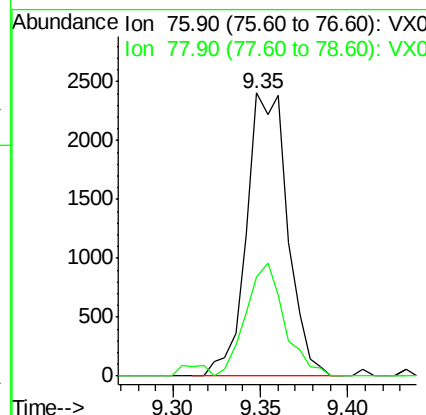
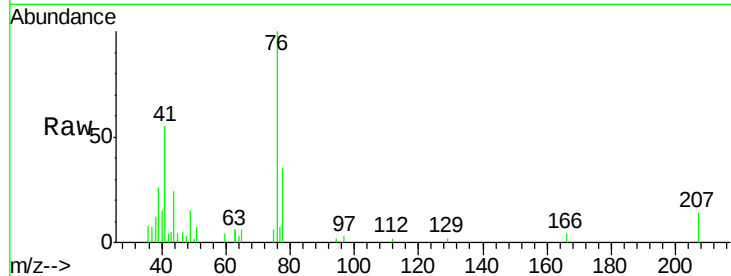
#57
 1,3-Dichloropropane
 Concen: 0.658 ug/l
 RT: 9.35 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

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

Tot Ion: 76 Resp: 3934
 Ion Ratio Lower Upper
 76 100
 78 37.5 25.8 38.6

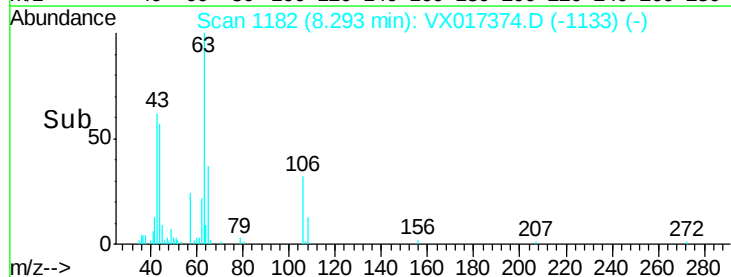
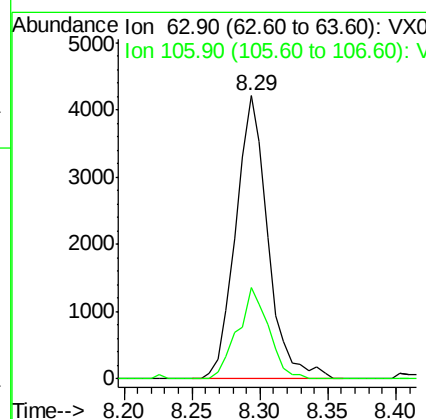
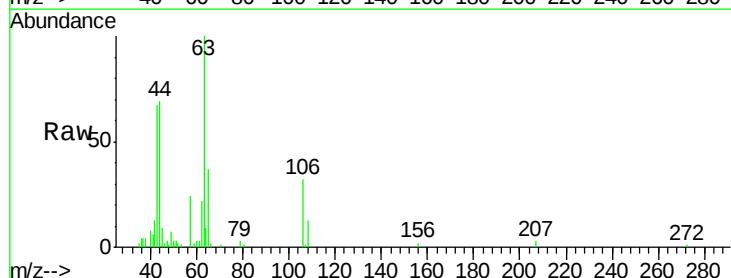
Manual Integrations
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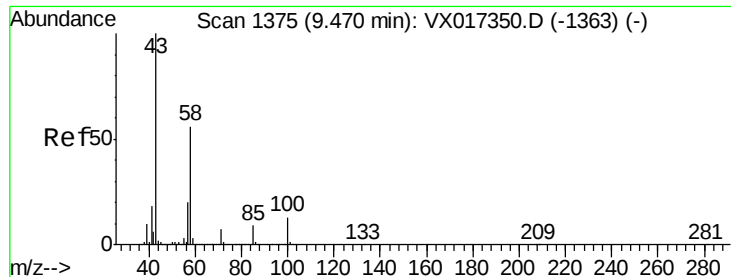
MMDadoda
 7/15/2020 11:43:23 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.678 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion: 63 Resp: 6937
 Ion Ratio Lower Upper
 63 100
 106 31.3 24.8 37.2





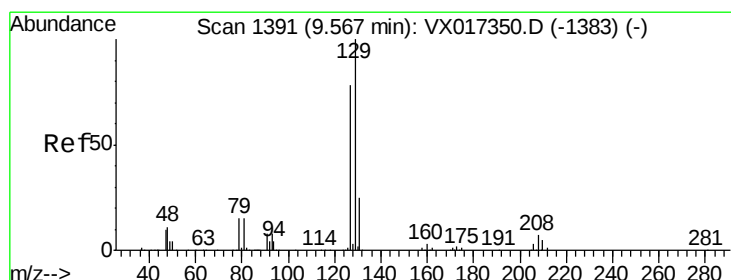
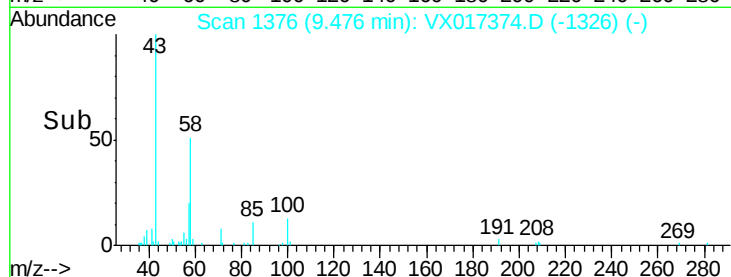
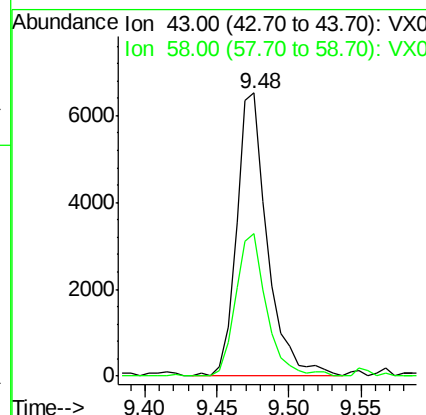
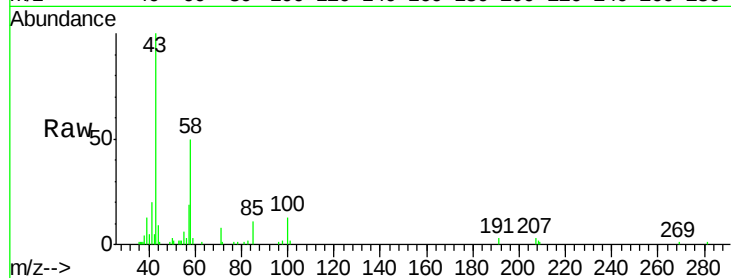
#59
2-Hexanone
Concen: 2.732 ug/l
RT: 9.48 min Scan# 1376
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 43 Resp: 9707
Ion Ratio Lower Upper
43 100
58 50.4 28.1 84.3

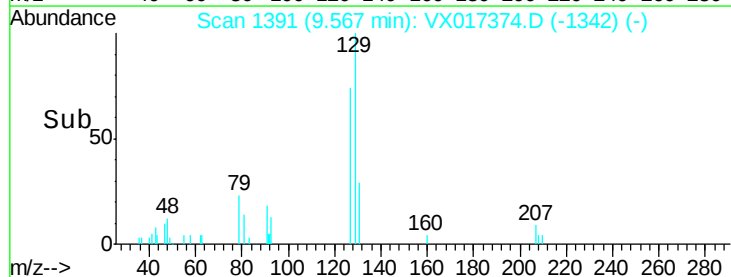
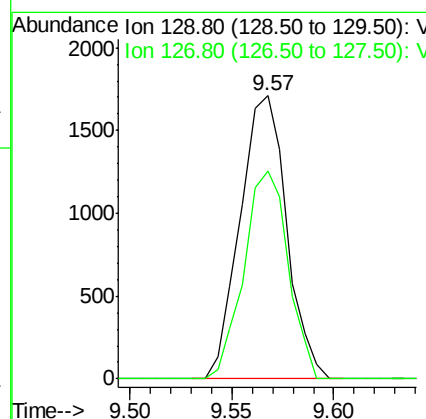
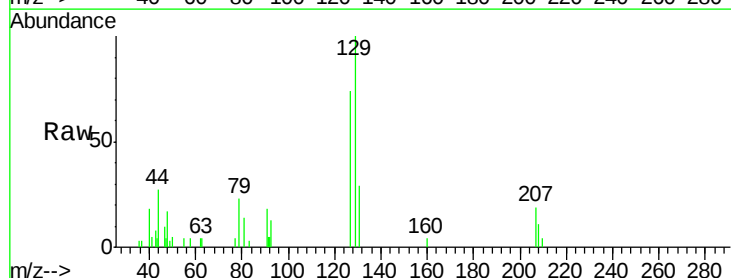
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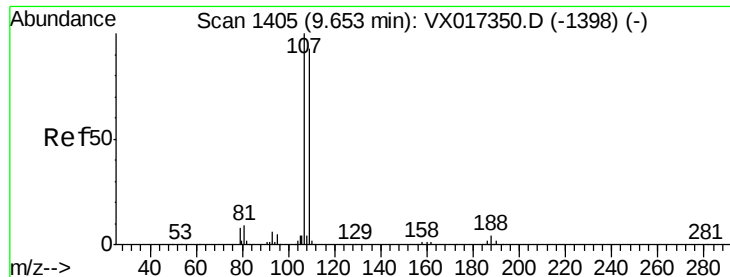
MMDadoda
7/15/2020 11:43:23 AM



#60
Dibromochloromethane
Concen: 0.619 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 129 Resp: 2719
Ion Ratio Lower Upper
129 100
127 69.5 38.9 116.6





#61

1,2-Dibromoethane

Concen: 0.676 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:107 Resp: 2641

Ion Ratio Lower Upper

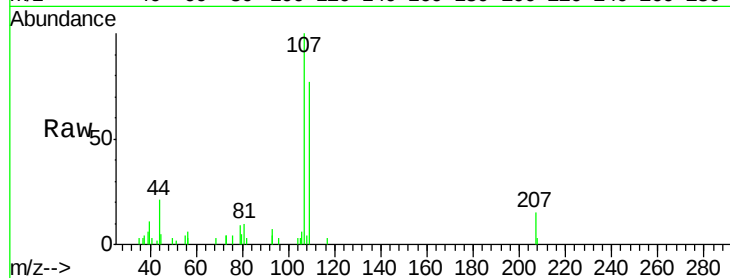
107 100

109 94.4 75.0 112.4

Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

9.65

2000

1500

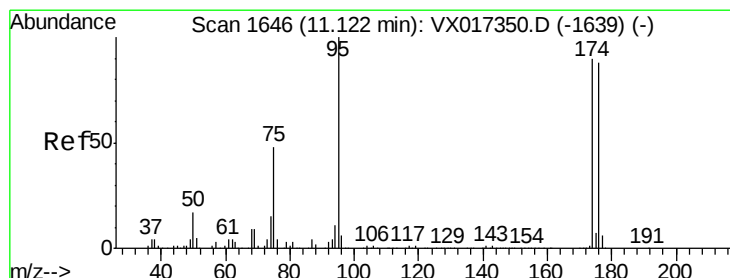
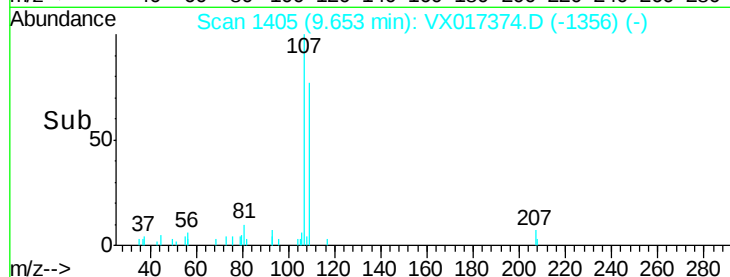
1000

500

0

9.60 9.65 9.70

Time-->



#62

4-Bromofluorobenzene

Concen: 37.674 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

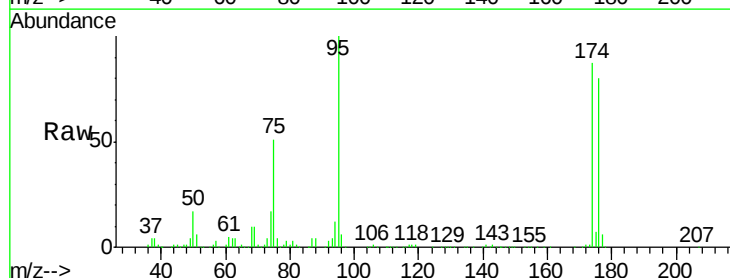
Tgt Ion: 95 Resp: 184698

Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.8

176 80.7 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

200000

150000

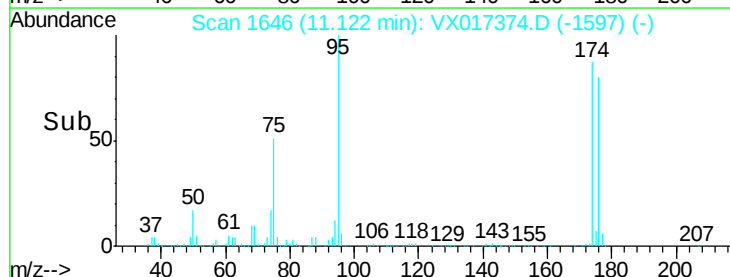
100000

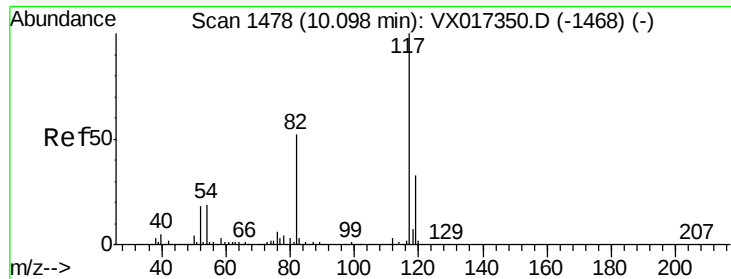
50000

0

11.10 11.12 11.20

Time-->





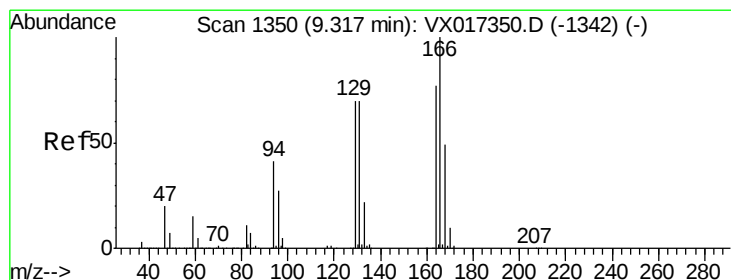
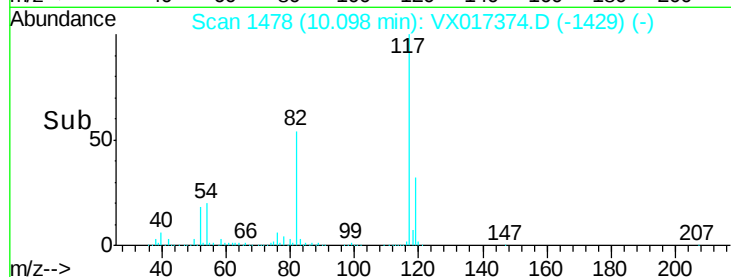
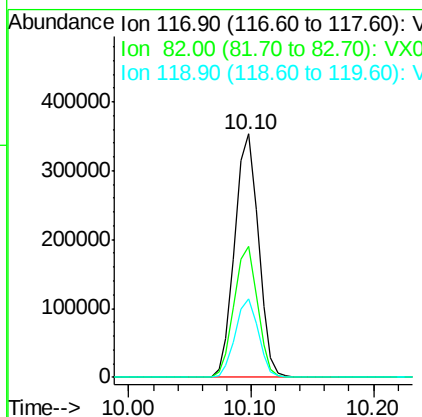
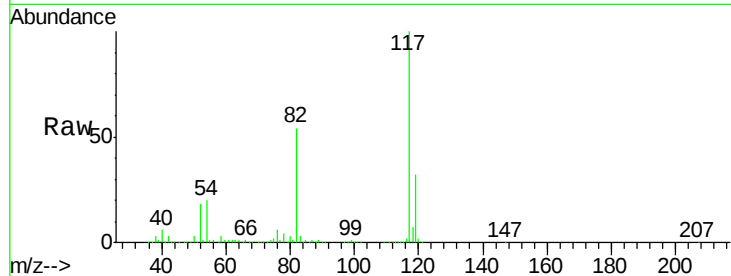
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	473073		
82	54.0		42.0	63.0
119	32.2		26.3	39.5

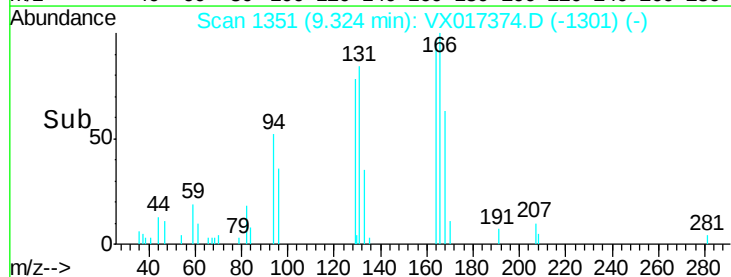
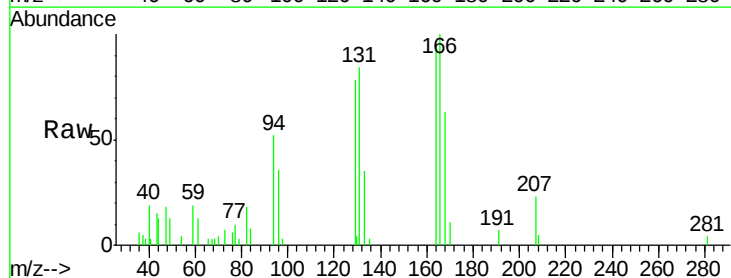
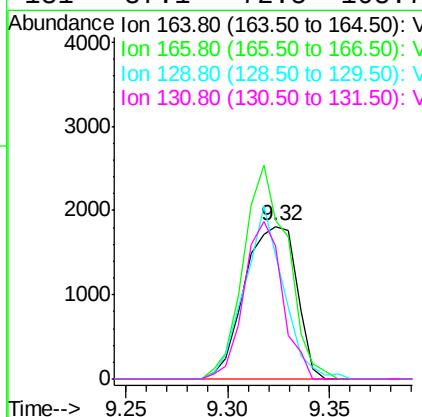
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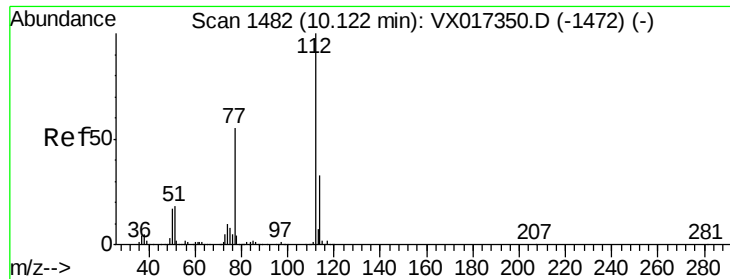
MMDadoda
7/15/2020 11:43:23 AM



#64
Tetrachloroethene
Concen: 0.786 ug/l
RT: 9.32 min Scan# 1351
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	3220		
166	104.1		103.9	155.9
129	81.7		72.9	109.3
131	87.1		72.5	108.7





#65

Chlorobenzene

Concen: 0.656 ug/l

RT: 10.12 min Scan# 1482

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:112 Resp: 6306

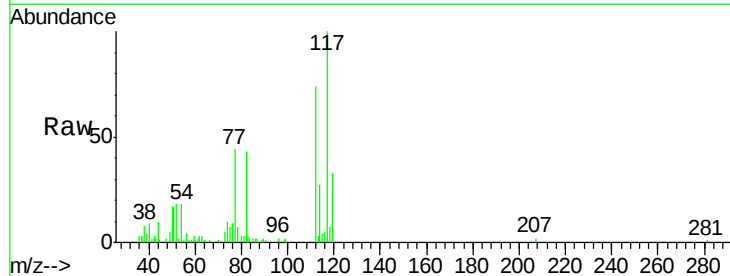
Ion Ratio Lower Upper

112 100

114 36.8 26.0 39.0

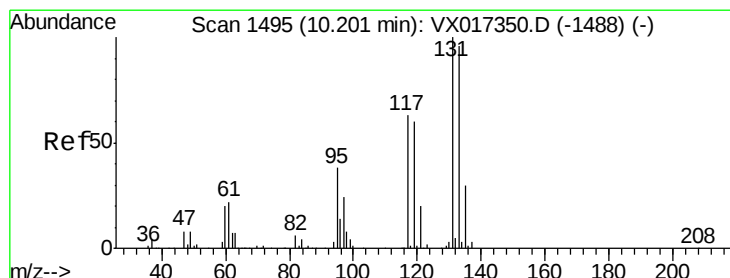
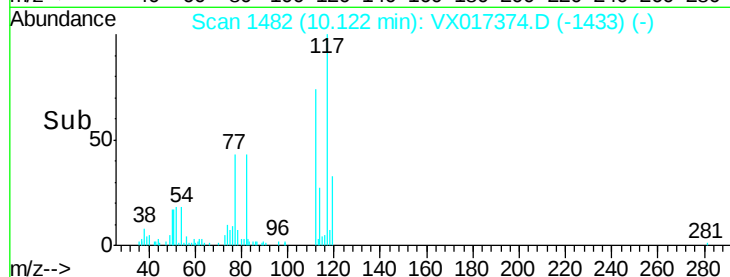
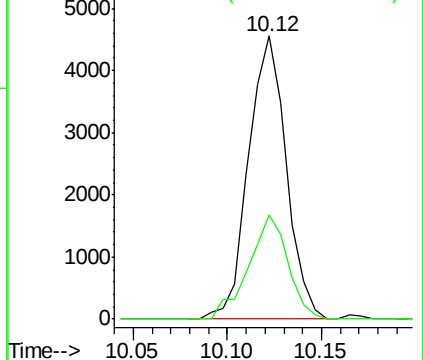
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.689 ug/l

RT: 10.21 min Scan# 1496

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

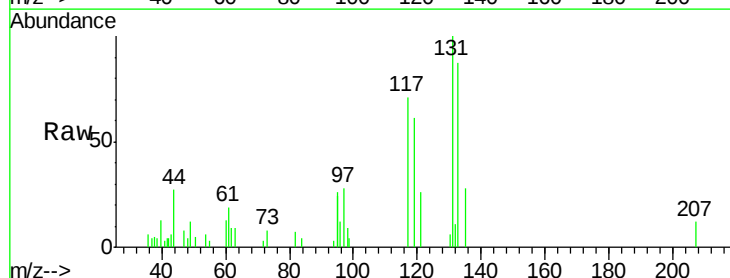
Tgt Ion:131 Resp: 2639

Ion Ratio Lower Upper

131 100

133 89.8 48.4 145.2

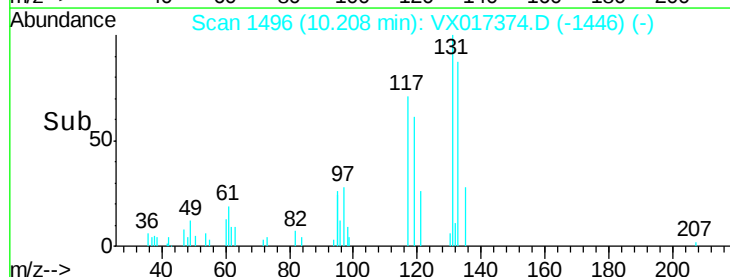
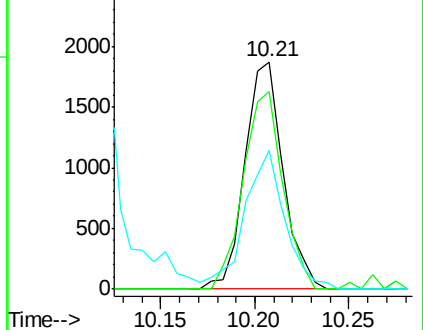
119 0.0 31.2 93.6#

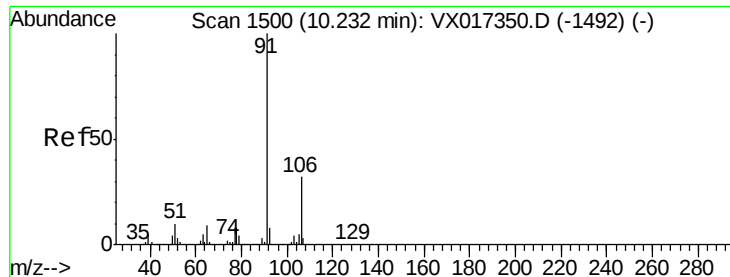


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





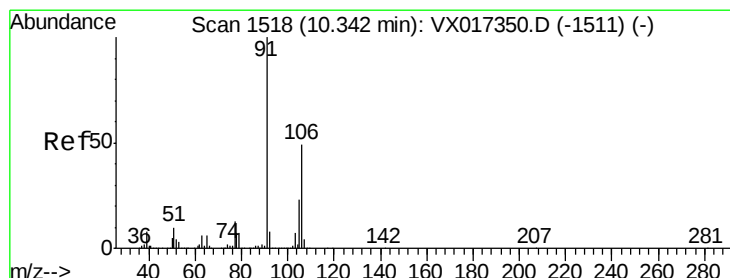
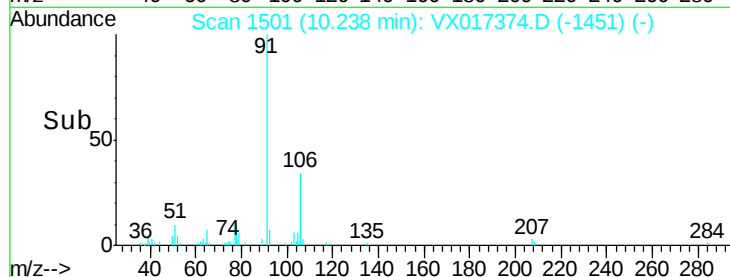
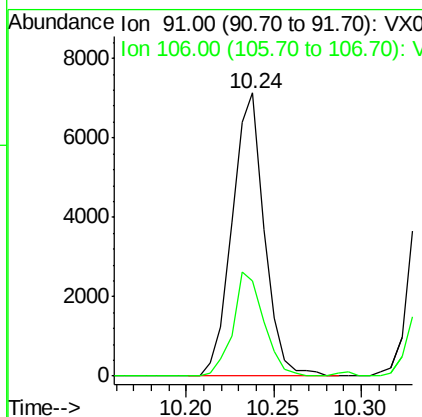
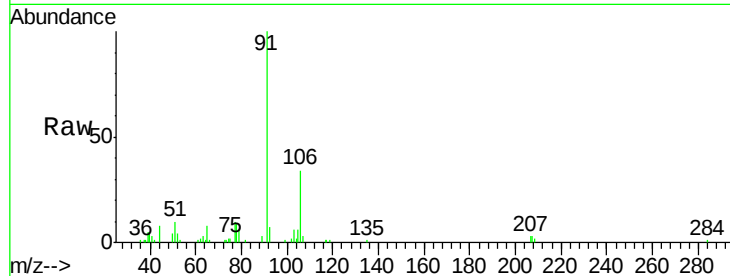
#67
Ethyl Benzene
Concen: 0.570 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 91 Resp: 9121
Ion Ratio Lower Upper
91 100
106 33.6 25.7 38.5

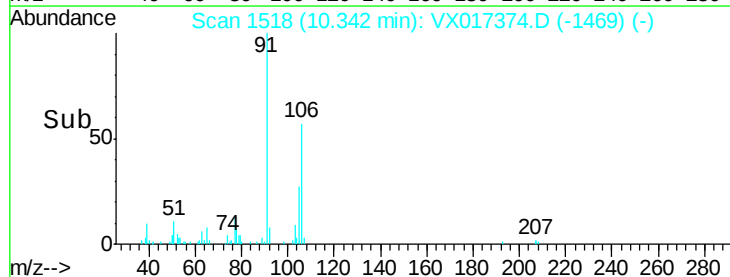
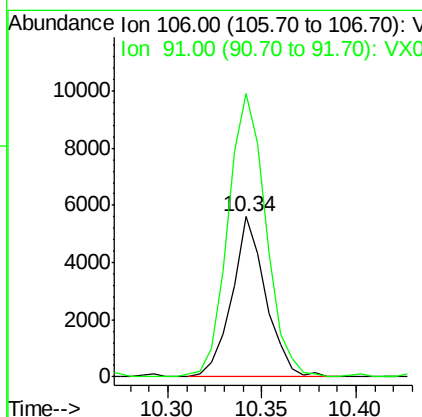
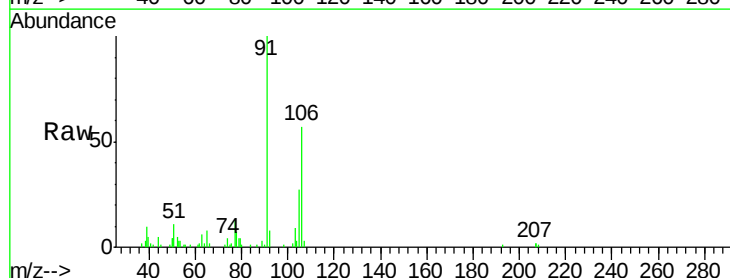
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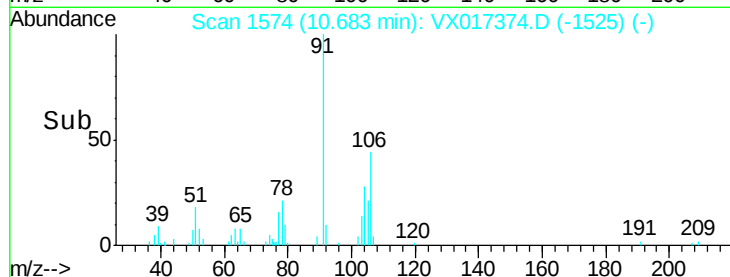
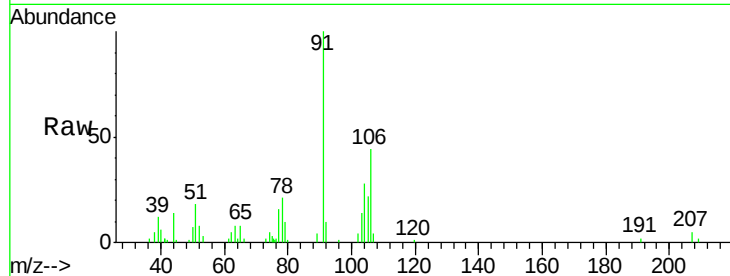
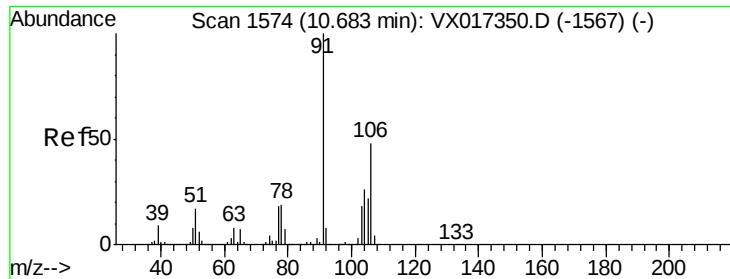
MMDadoda
7/15/2020 11:43:23 AM



#68
m/p-Xylenes
Concen: 1.144 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 106 Resp: 6968
Ion Ratio Lower Upper
106 100
91 197.6 162.5 243.7





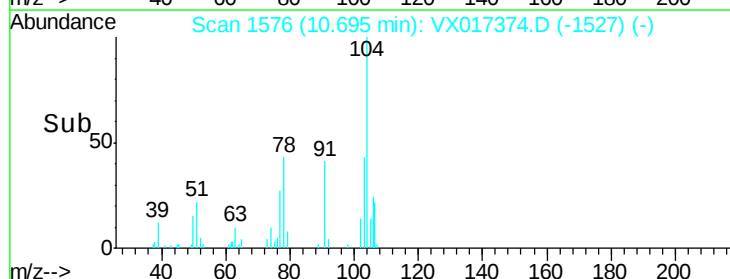
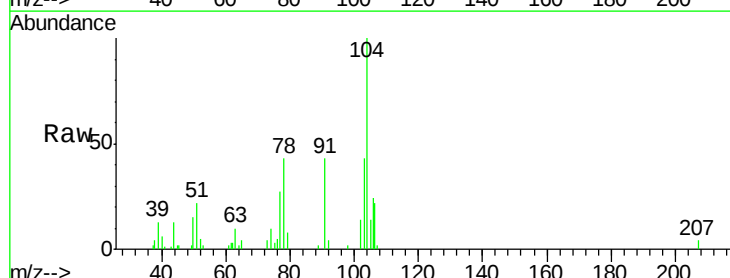
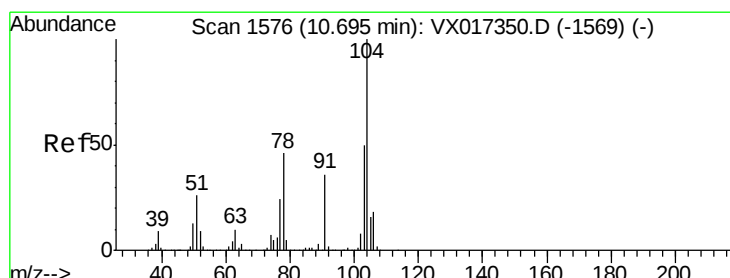
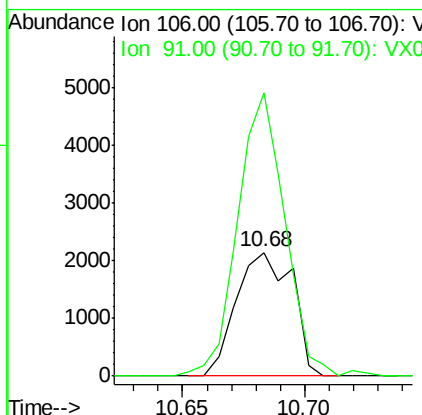
#69
o-Xylene
Concen: 0.583 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tot Ion:106 Resp: 3392
Ion Ratio Lower Upper
106 100
91 194.7 106.1 318.1

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

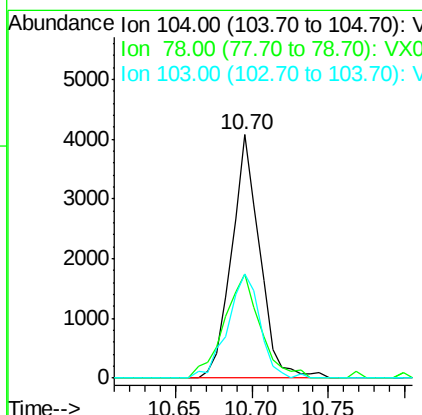
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#70
Styrene
Concen: 0.521 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion:104 Resp: 5203
Ion Ratio Lower Upper
104 100
78 54.8 40.8 61.2
103 48.9 43.3 64.9





#71

Bromoform

Concen: 0.591 ug/l

RT: 10.84 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

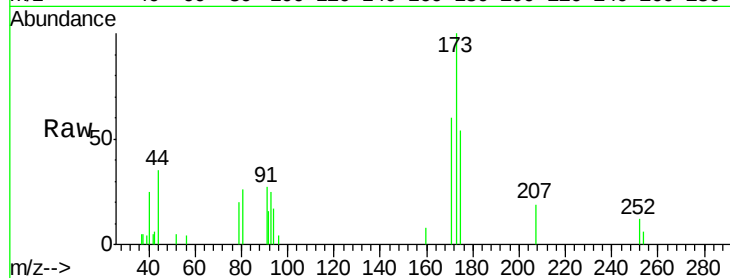
ClientSampleId :

MDL-WATER-03-QT3-2020

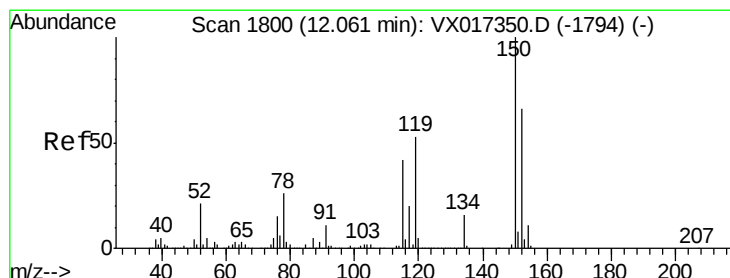
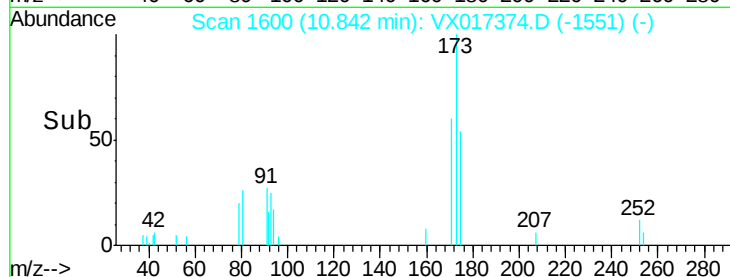
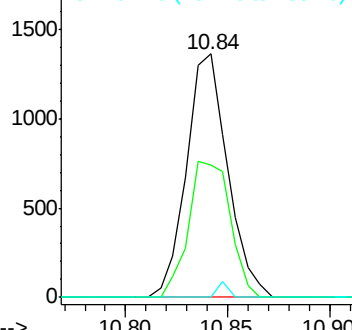
Tot Ion	Ratio	Lower	Upper
173	100		
175	56.7	24.7	74.1
254	1.6	0.1	0.1#

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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

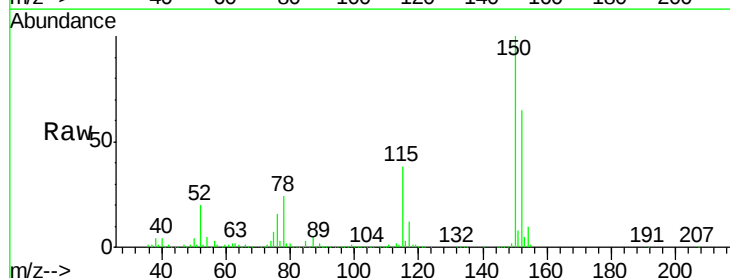
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

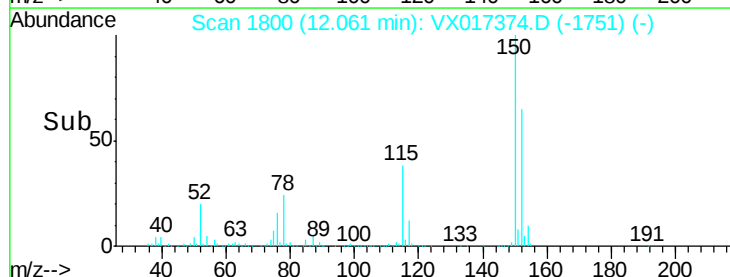
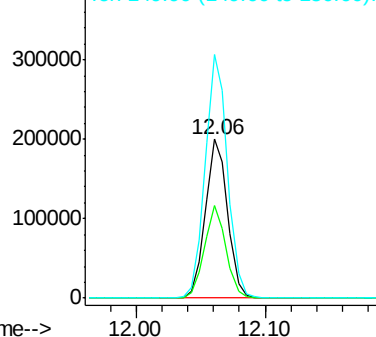
Lab File: VX017374.D

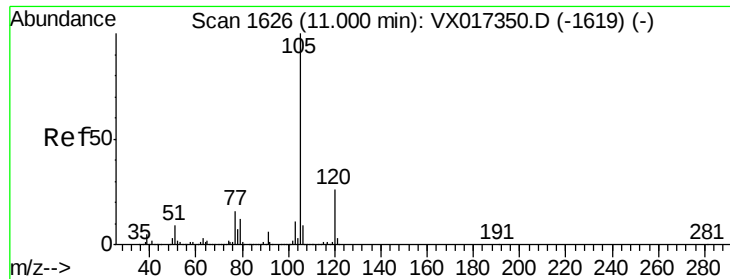
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	39.9	119.7
150	153.7	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: 0.546 ug/l

RT: 11.01 min Scan# 1627

Delta R.T. 0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 105 Resp: 8236

Ion Ratio Lower Upper

105 100

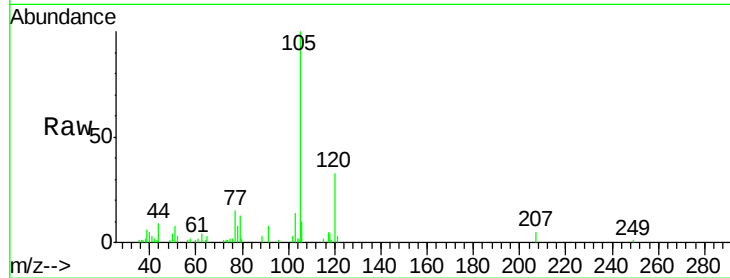
120 29.0 13.3 39.8

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.01

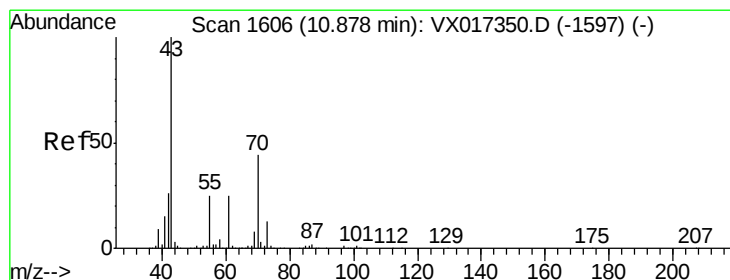
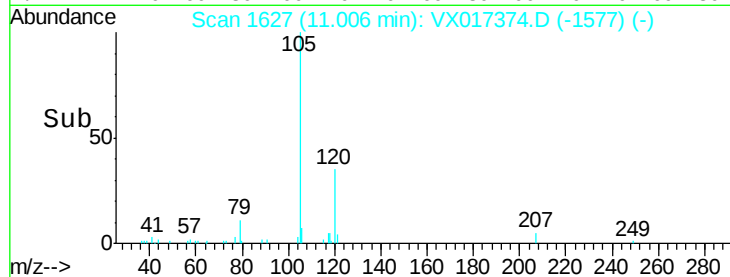
6000

4000

2000

0

Time-->



#74

N-ethyl acetate

Concen: 0.525 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion: 43 Resp: 3170

Ion Ratio Lower Upper

43 100

70 45.7 35.7 53.5

55 28.0 20.3 30.5

61 28.1 20.0 30.0

Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

10.88

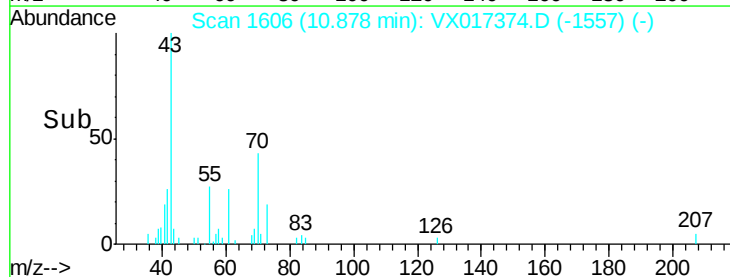
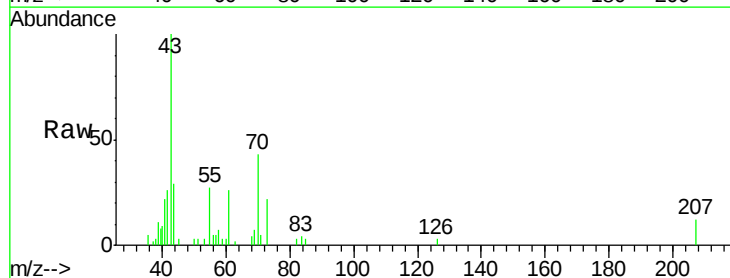
3000

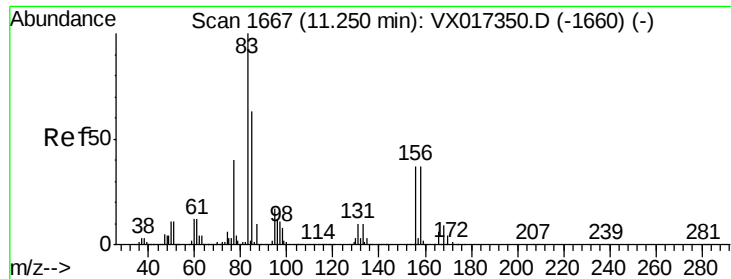
2000

1000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 0.643 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

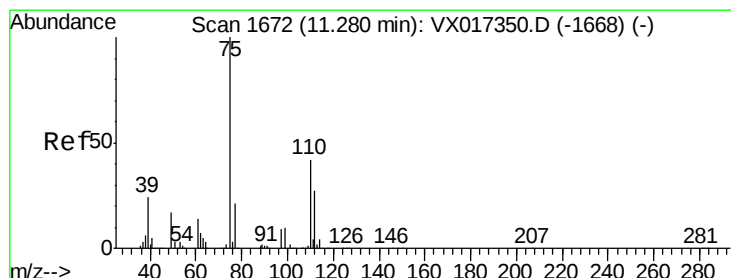
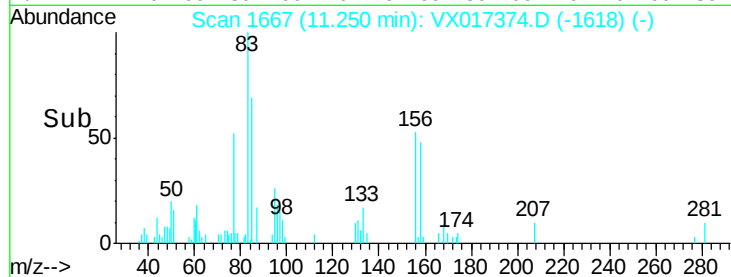
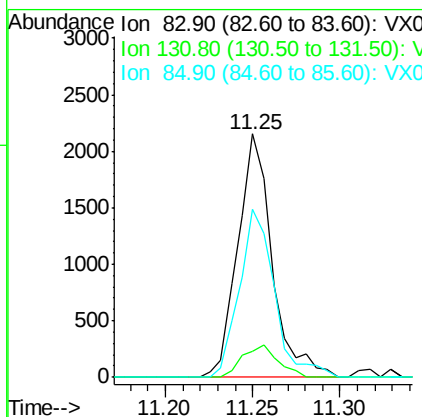
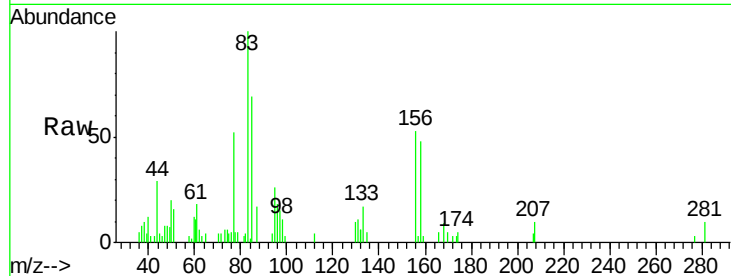
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	83	Resp:	2945
Ion Ratio	Lower	Upper	
83	100		
131	13.7	5.5	16.7
85	70.5	32.6	98.0

Manual Integrations
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7/15/2020 11:43:23 AM



#76

1,2,3-Trichloropropane

Concen: 0.630 ug/l m

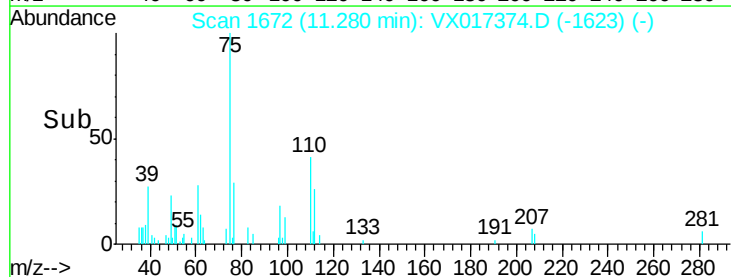
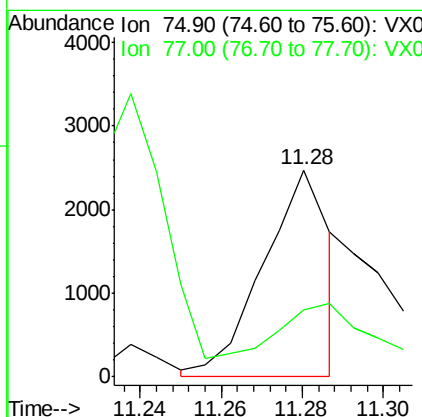
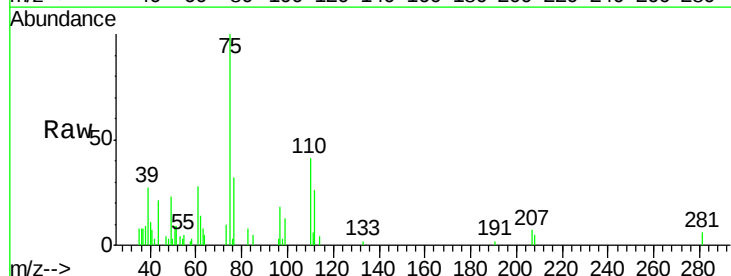
RT: 11.28 min Scan# 1672

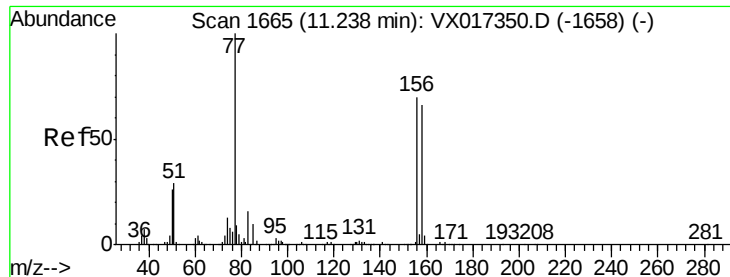
Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion:	75	Resp:	2802
Ion Ratio	Lower	Upper	
75	100		
77	57.4	20.3	60.9





#77

Bromobenzene

Concen: 0.710 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

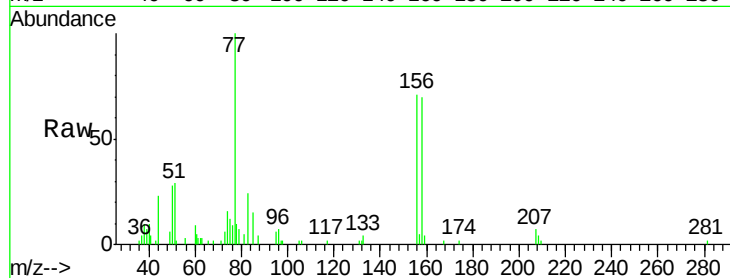
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	143.5	72.1	216.3
158	92.5	47.4	142.3

Manual Integrations
APPROVED

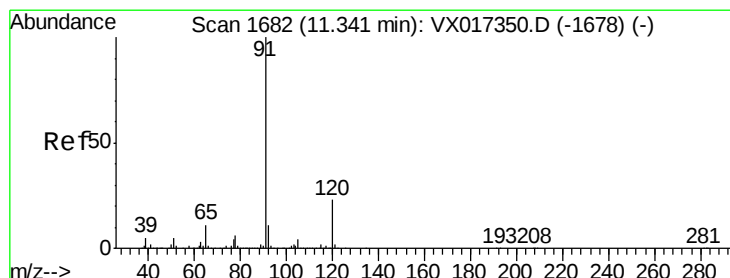
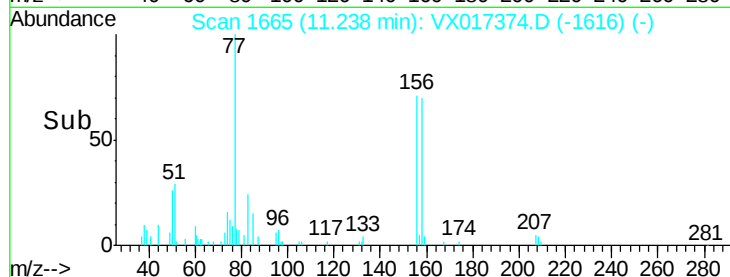
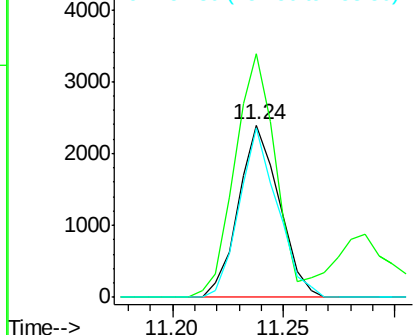
MMDadoda
7/15/2020 11:43:23 AM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VX0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.628 ug/l

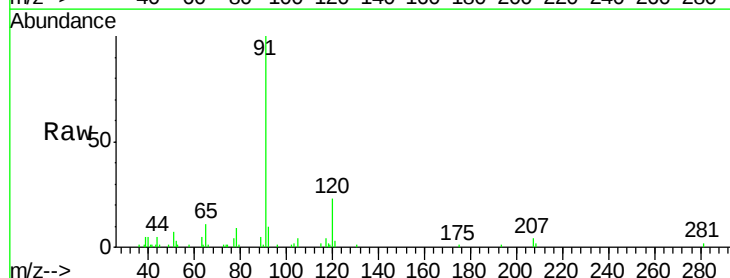
RT: 11.35 min Scan# 1683

Delta R.T. 0.01 min

Lab File: VX017374.D

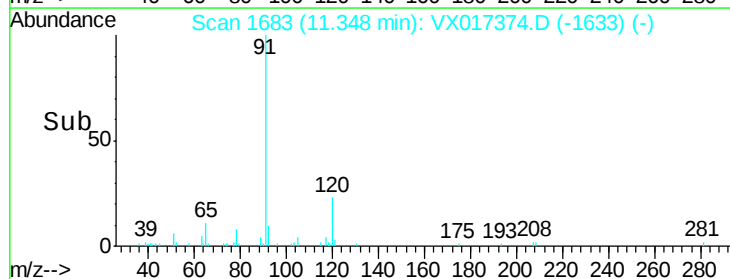
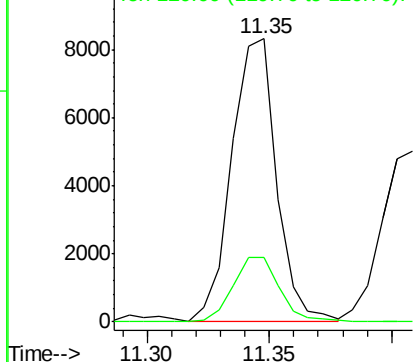
Acq: 14 Jul 2020 13:26

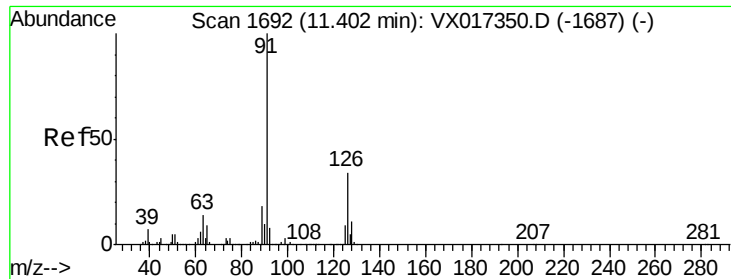
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





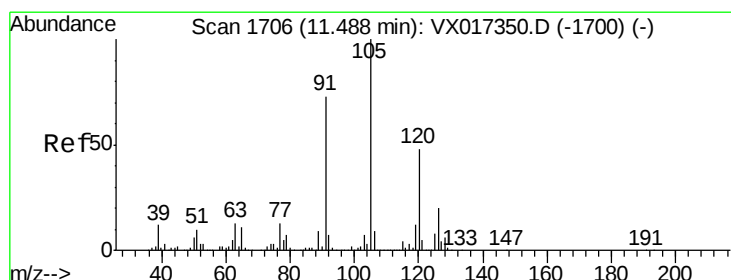
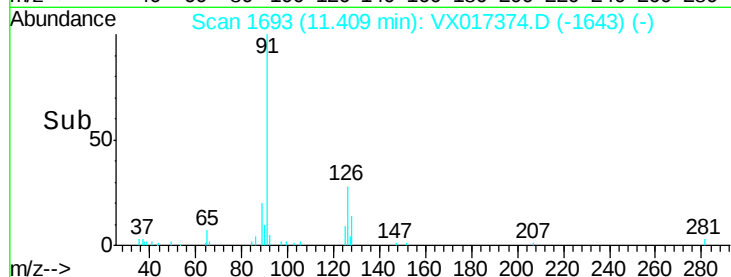
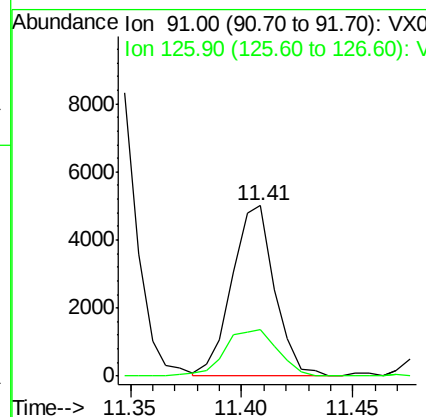
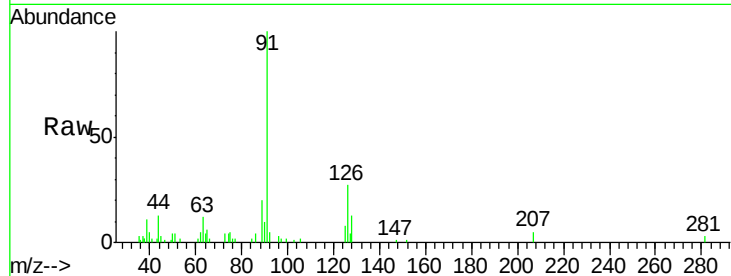
#79
2-Chlorotoluene
Concen: 0.641 ug/l
RT: 11.41 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion: 91 Resp: 6695
Ion Ratio Lower Upper
91 100
126 33.4 17.4 52.3

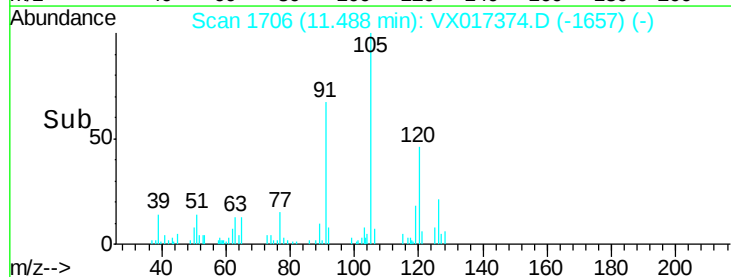
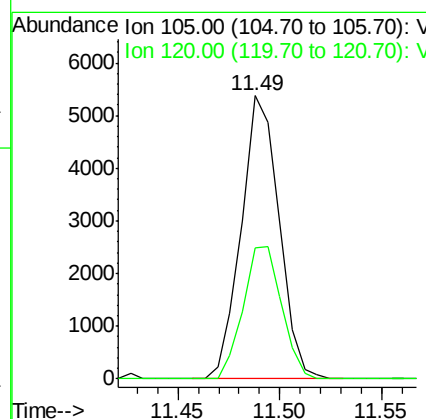
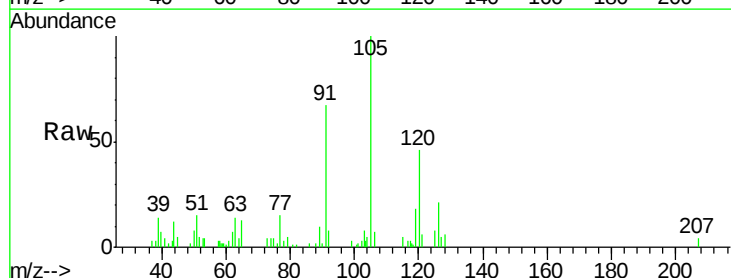
Manual Integrations
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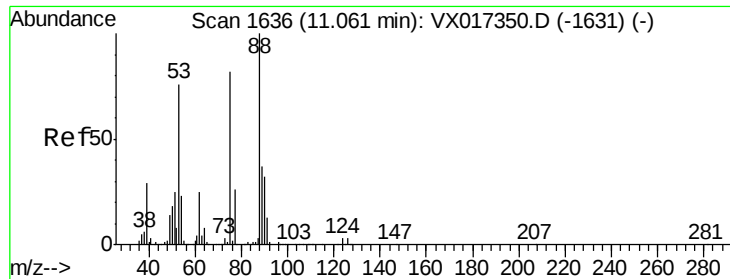
MMDadoda
7/15/2020 11:43:23 AM



#80
1,3,5-Trimethylbenzene
Concen: 0.541 ug/l
RT: 11.49 min Scan# 1706
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion: 105 Resp: 6927
Ion Ratio Lower Upper
105 100
120 47.5 24.8 74.4





#81

trans-1,4-Dichloro-2-butene

Concen: 0.664 ug/l m

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

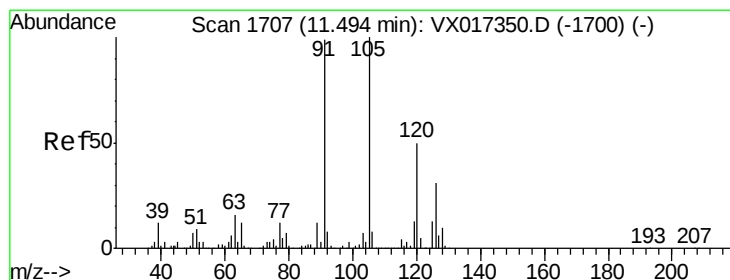
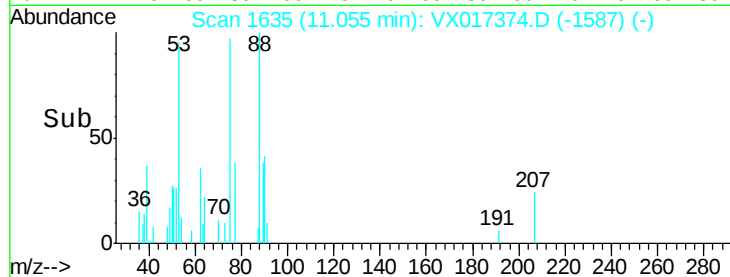
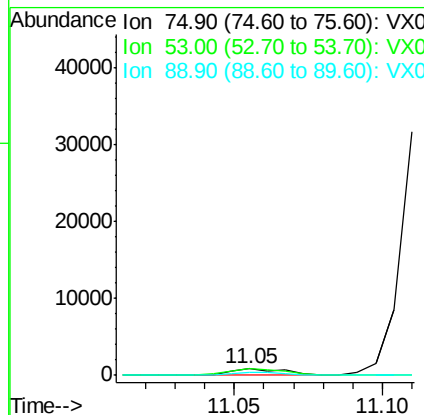
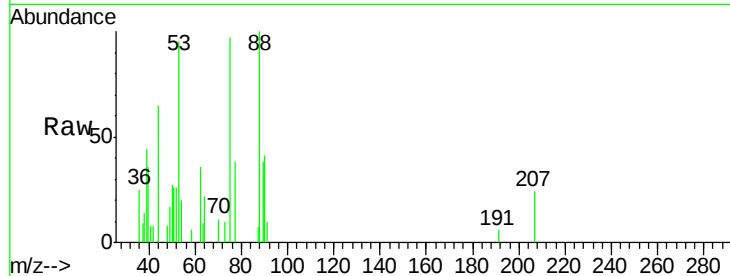
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	75	Resp:	1163
Ion	Ratio	Lower	Upper
75	100		
53	23.3	76.5	114.7#
89	4.5	38.1	57.1#

Manual Integrations
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#82

4-Chlorotoluene

Concen: 0.636 ug/l

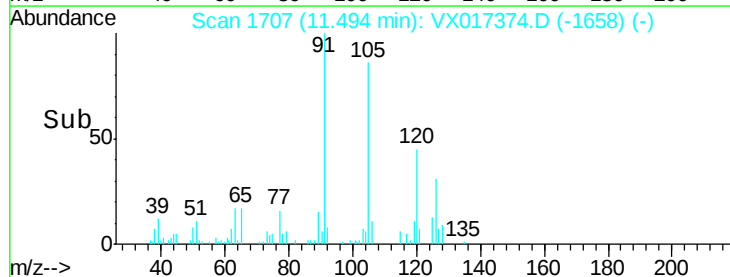
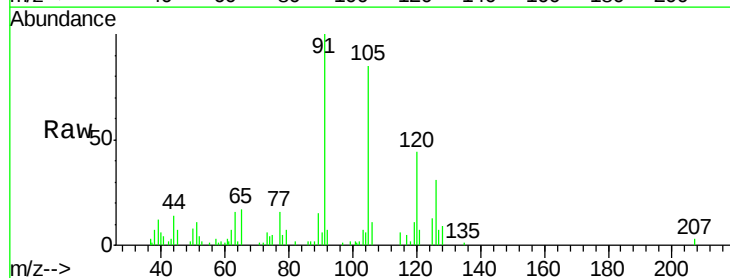
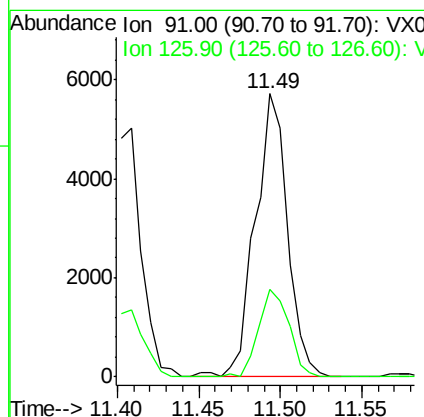
RT: 11.49 min Scan# 1707

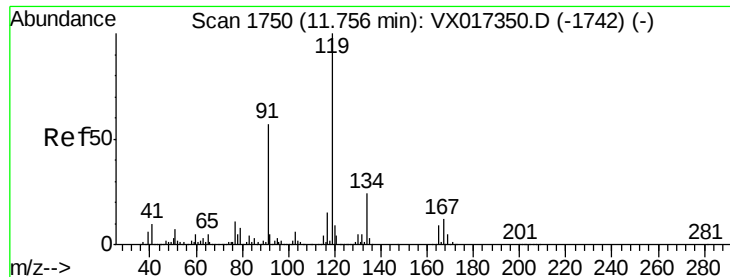
Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Tgt Ion:	91	Resp:	7863
Ion	Ratio	Lower	Upper
91	100		
126	29.3	15.4	46.2





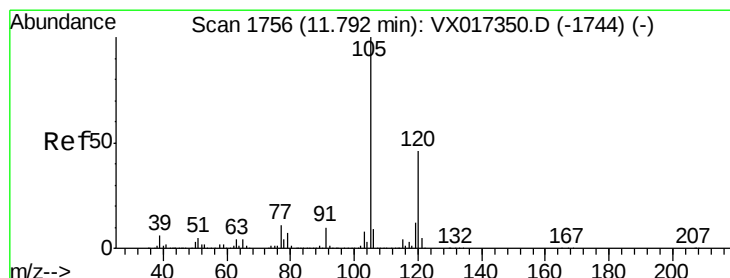
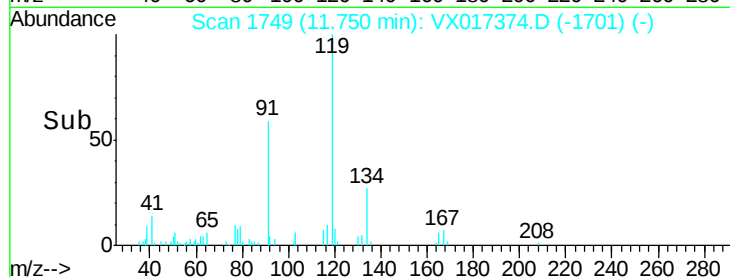
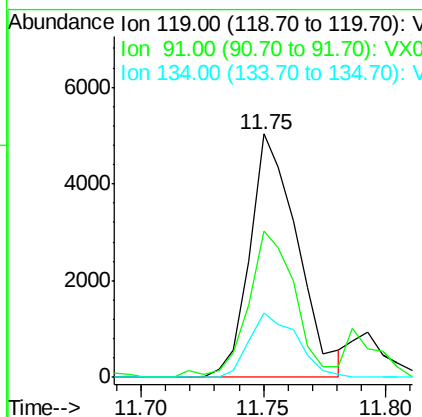
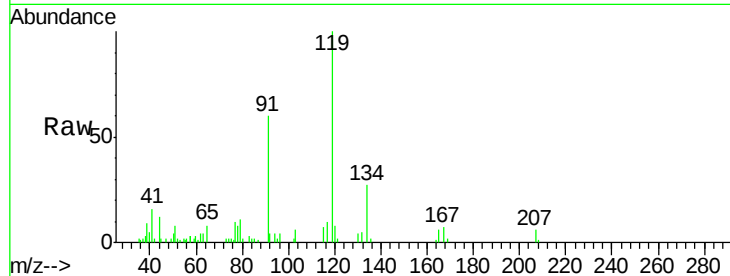
#83
tert-Butylbenzene
Concen: 0.551 ug/l
RT: 11.75 min Scan# 1749
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Resp	Lower	Upper
119	100	6819		
91	59.9		28.5	85.6
134	26.5		11.9	35.9

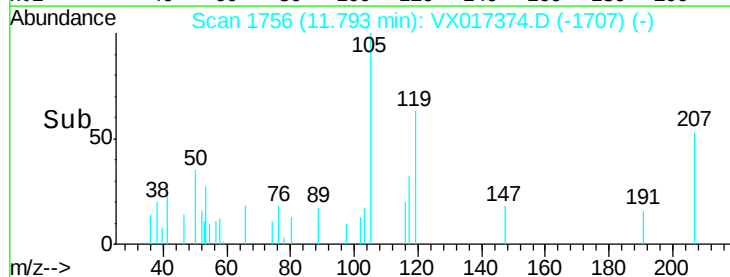
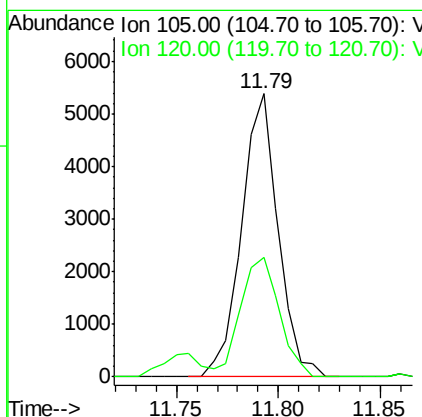
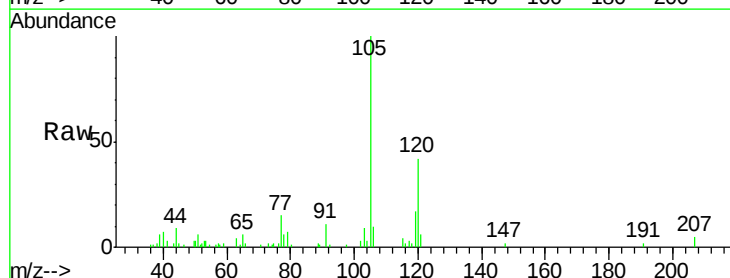
Manual Integrations
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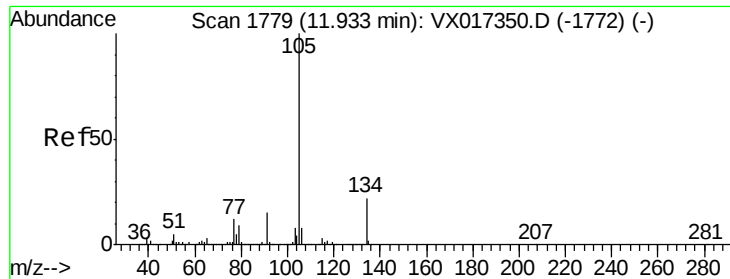
MMDadoda
7/15/2020 11:43:23 AM



#84
1,2,4-Trimethylbenzene
Concen: 0.517 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	6686		
120	44.6		22.8	68.4





#85

sec-Butylbenzene

Concen: 0.529 ug/l

RT: 11.93 min Scan# 1778

Delta R.T. -0.01 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 7657

Ion Ratio Lower Upper

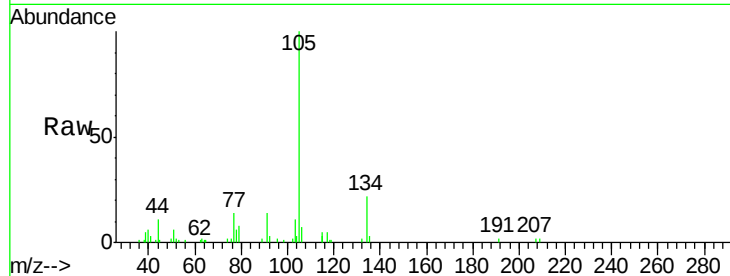
105 100

134 23.3 10.5 31.5

Manual Integrations
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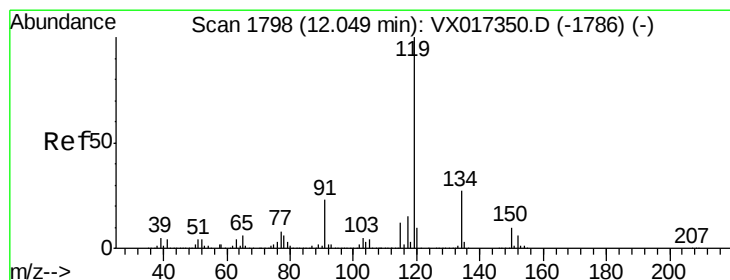
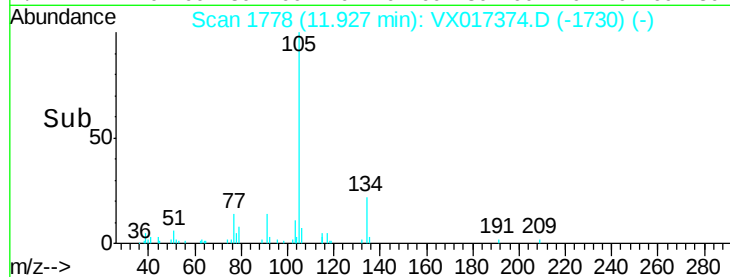
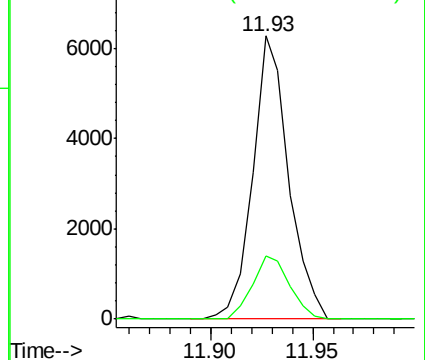
MMDadoda

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 0.524 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017374.D

Acq: 14 Jul 2020 13:26

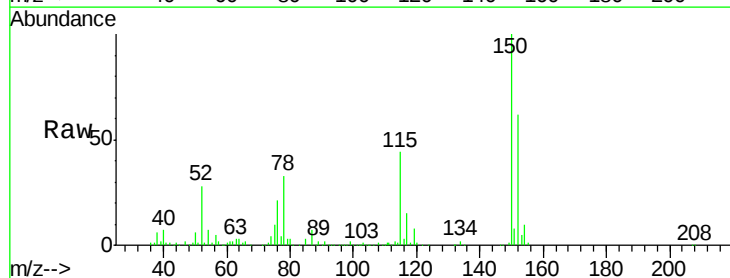
Tgt Ion:119 Resp: 7183

Ion Ratio Lower Upper

119 100

134 28.6 13.5 40.5

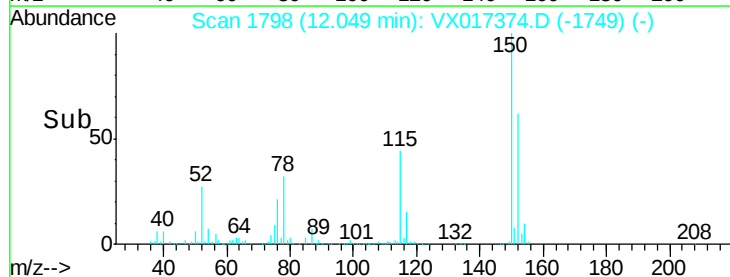
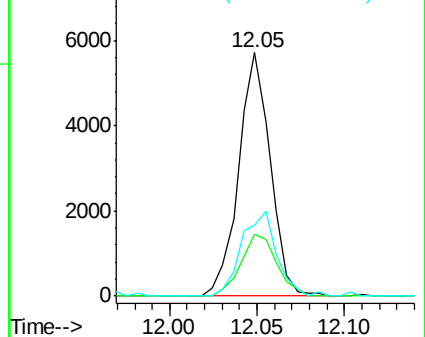
91 38.7 11.8 35.3#

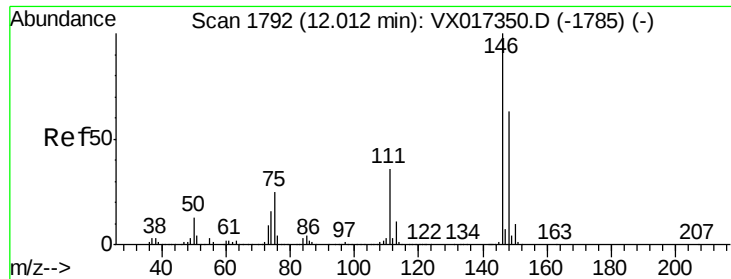


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





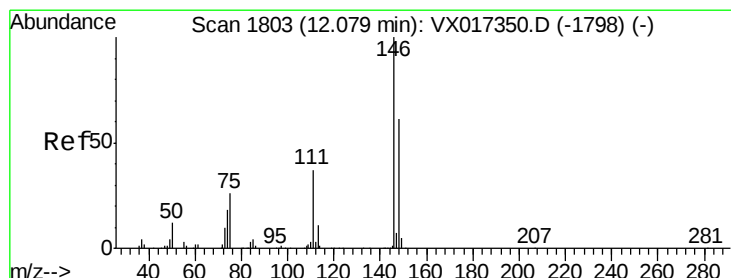
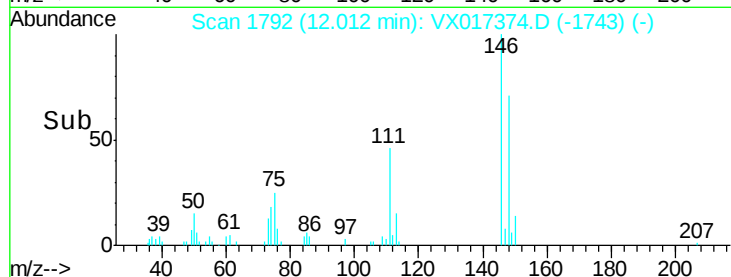
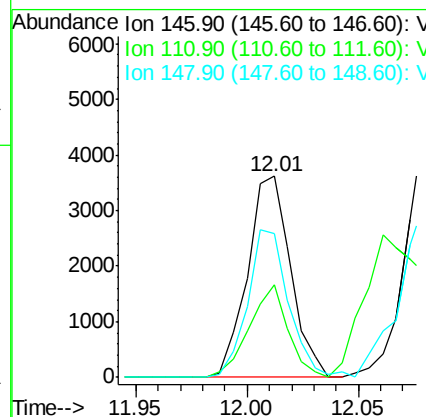
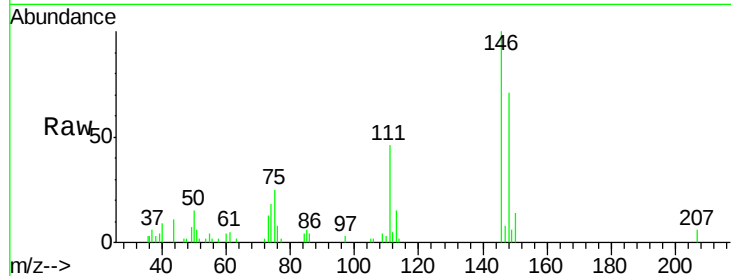
#87
 1,3-Dichlorobenzene
 Concen: 0.636 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	19.2	57.6
148	69.7	31.6	95.0

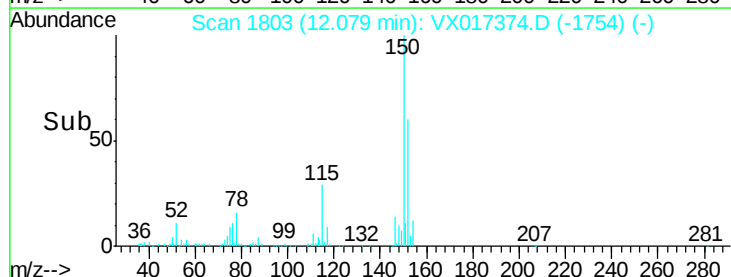
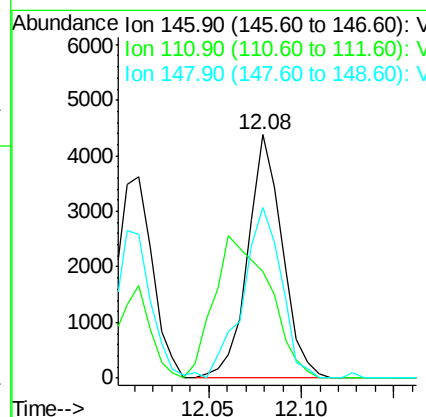
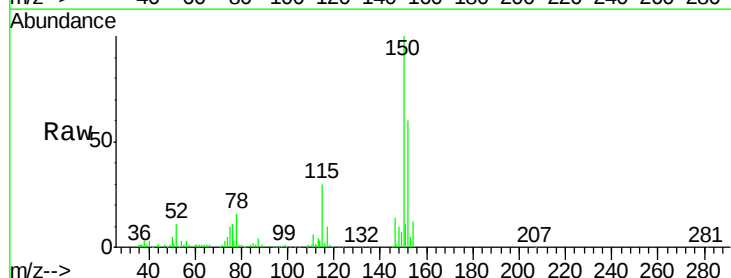
Manual Integrations
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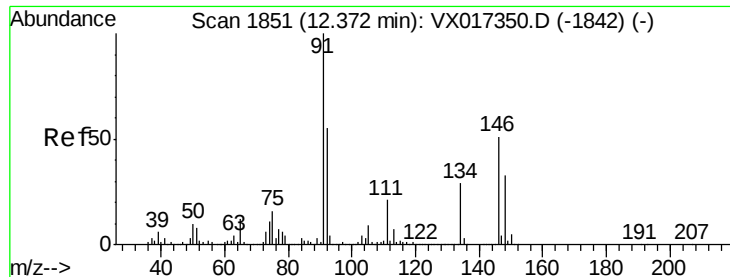
MMDadoda
 7/15/2020 11:43:23 AM



#88
 1,4-Dichlorobenzene
 Concen: 0.724 ug/l m
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017374.D
 Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.9	18.9	56.9
148	60.6	31.9	95.9





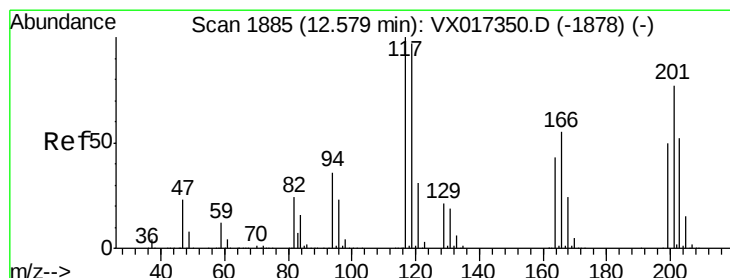
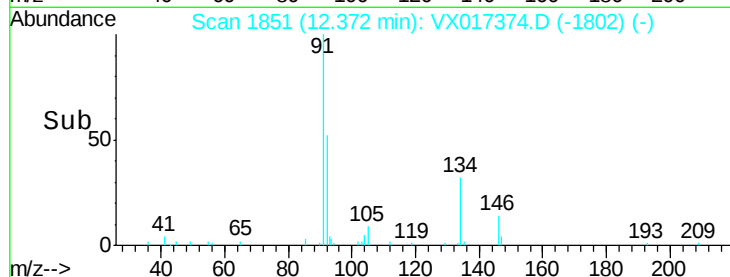
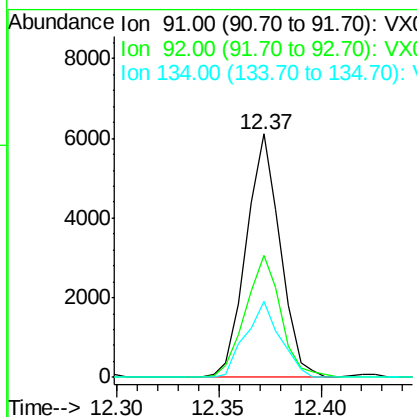
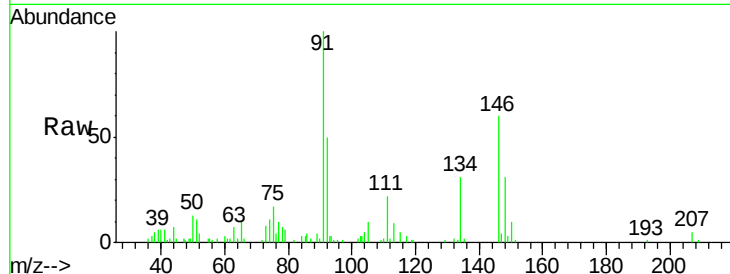
#89
n-Butylbenzene
Concen: 0.605 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.0	81.0
134	31.5	14.1	42.2

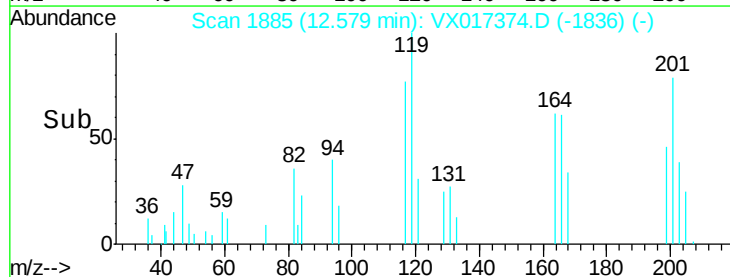
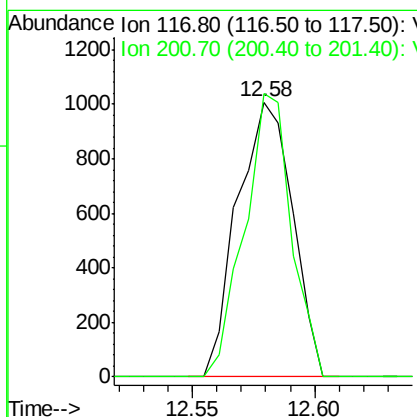
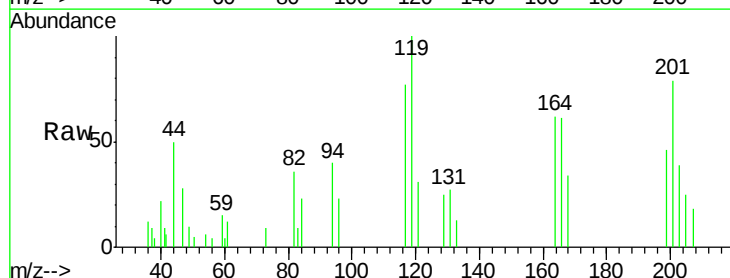
Manual Integrations
APPROVED

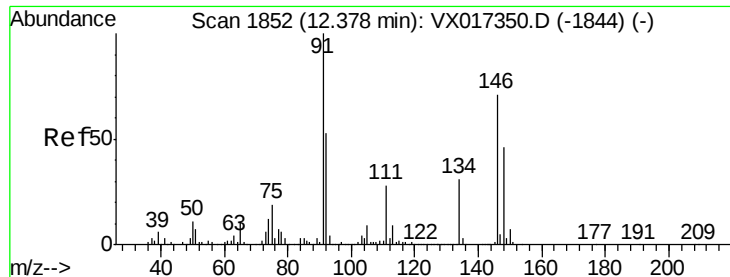
MMDadoda
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#90
Hexachloroethane
Concen: 0.605 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
117	100		
201	87.6	41.0	123.0





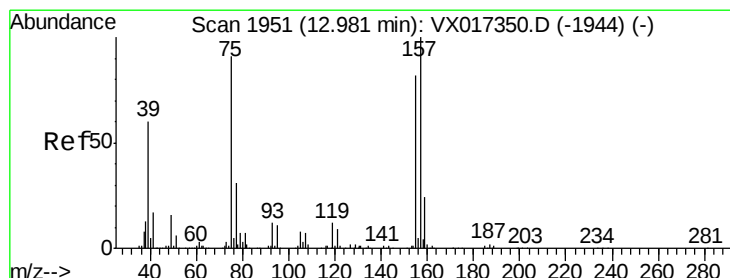
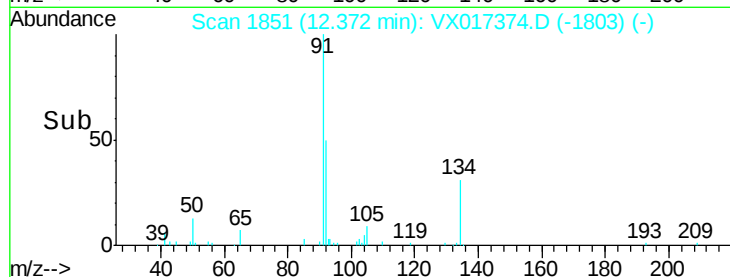
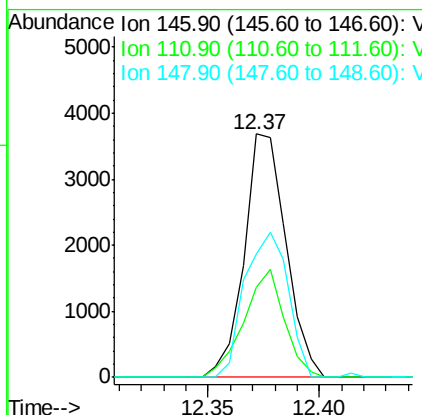
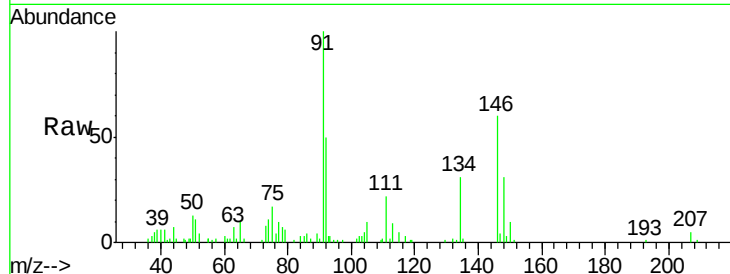
#91
1,2-Dichlorobenzene
Concen: 0.669 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. -0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.8	20.3	61.0
148	61.9	32.0	96.0

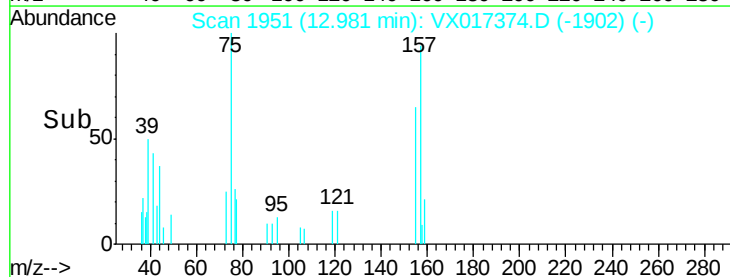
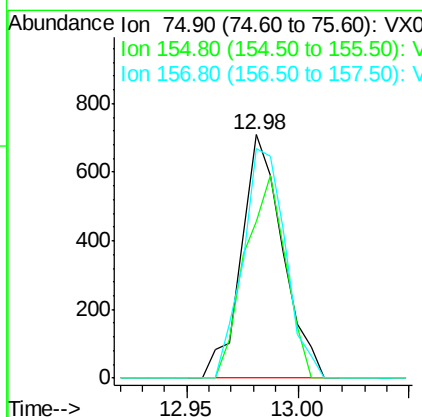
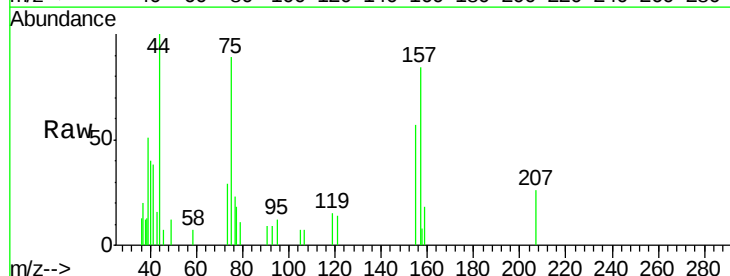
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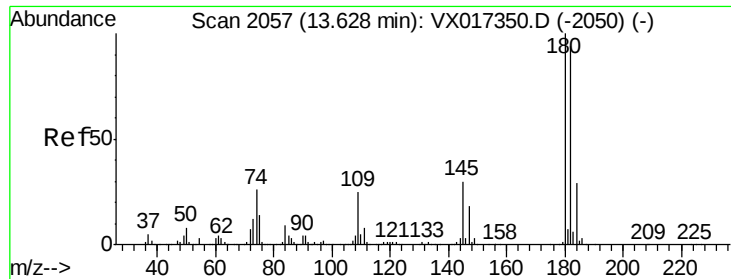
MMDadoda
7/15/2020 11:43:23 AM



#92
1,2-Dibromo-3-Chloropropane
Concen: 0.763 ug/l
RT: 12.98 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	81.6	46.5	139.3
157	97.0	58.0	173.9





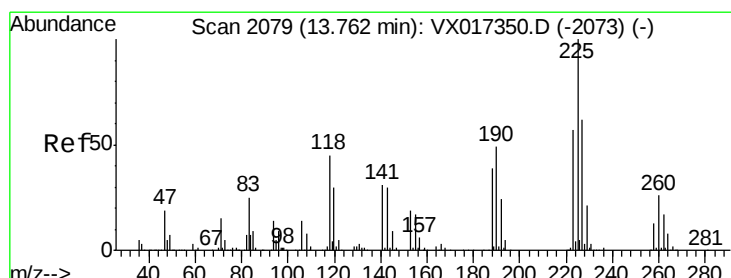
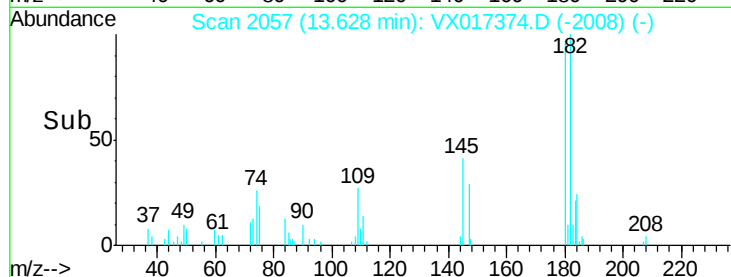
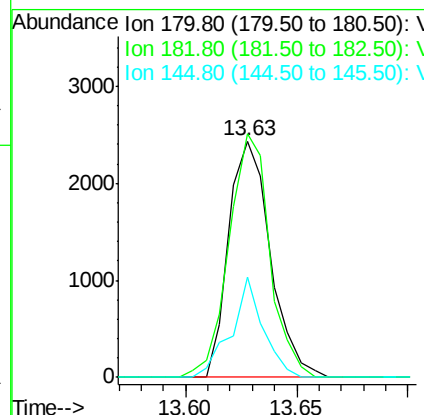
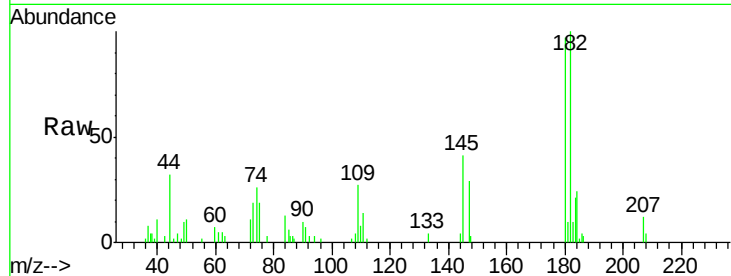
#93
1,2,4-Trichlorobenzene
Concen: 0.631 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	100.9	48.4	145.0
145	32.9	15.3	45.8

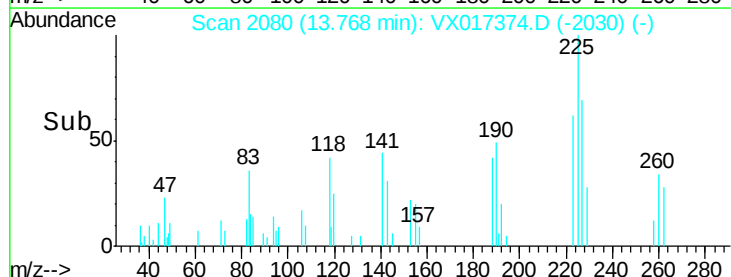
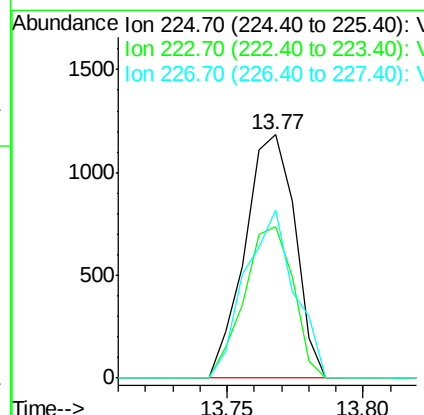
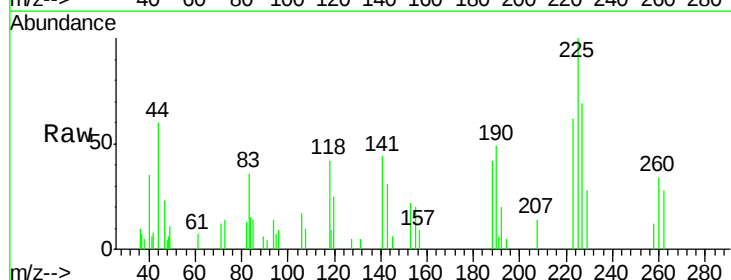
Manual Integrations
APPROVED

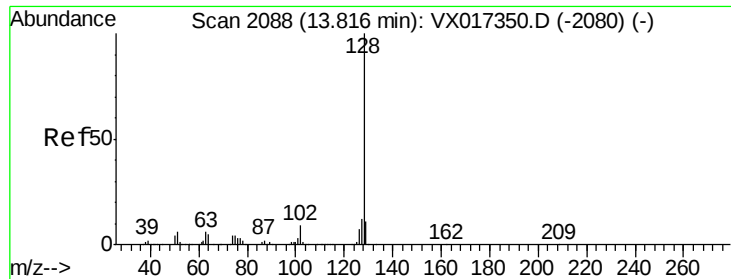
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7/15/2020 11:43:23 AM



#94
Hexachlorobutadiene
Concen: 0.737 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.1	31.3	93.8
227	68.3	31.6	95.0





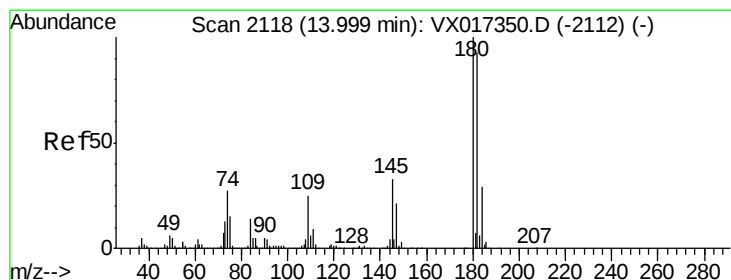
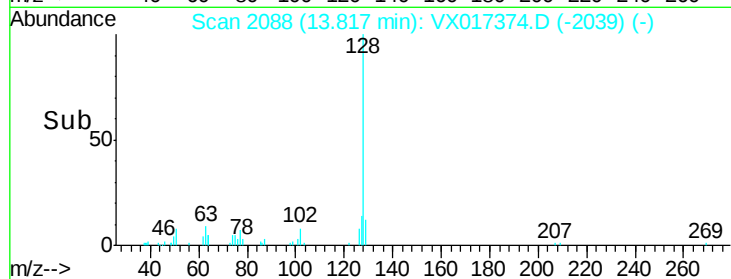
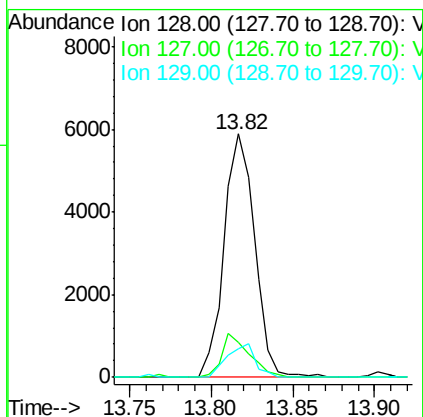
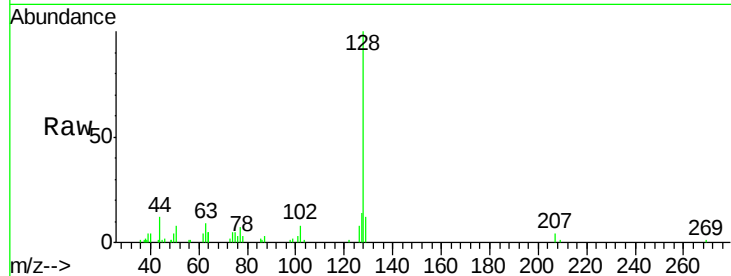
#95
Naphthalene
Concen: 0.522 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	16.3	10.2	15.4#
129	12.8	8.9	13.3

Manual Integrations
APPROVED

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7/15/2020 11:43:23 AM



#96
1,2,3-Trichlorobenzene
Concen: 0.668 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017374.D
Acq: 14 Jul 2020 13:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	48.8	146.3
145	32.5	16.6	49.7

