

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX071420\
 Data File : VX017375.D
 Acq On : 14 Jul 2020 13:48
 Operator : JC/SP
 Sample : L3216-09 2.5PPB MDL
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/15/2020 11:43:26 AM

Quant Time: Jul 15 03:05:15 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	5.63	168	295049	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	454274	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	428571	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222548	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	183344	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	5.46	113	148477	48.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.04%	
50) Toluene-d8	8.70	98	531690	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
62) 4-Bromofluorobenzene	11.12	95	195507	44.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.18%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.18	85	5649	2.263	ug/l	92
3) Chloromethane	1.31	50	6684	2.378	ug/l	99
4) Vinyl Chloride	1.39	62	6399	2.301	ug/l	95
5) Bromomethane	1.64	94	6047	3.341	ug/l #	77
6) Chloroethane	1.72	64	4703	2.680	ug/l	98
7) Trichlorofluoromethane	1.92	101	12000	2.557	ug/l	96
8) Diethyl Ether	2.17	74	4523	2.726	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	2.37	101	7415	2.774	ug/l	94
10) Methyl Iodide	2.49	142	5847	1.803	ug/l	99
11) Tert butyl alcohol	3.01	59	7904	12.669	ug/l #	92
12) 1,1-Dichloroethene	2.36	96	7500	2.793	ug/l	98
13) Acrolein	2.28	56	3383	9.891	ug/l	85
14) Allyl chloride	2.71	41	12417	2.669	ug/l	99
15) Acrylonitrile	3.12	53	19517	12.904	ug/l	98
16) Acetone	2.42	43	17805	13.477	ug/l	94
17) Carbon Disulfide	2.55	76	20131	2.570	ug/l	100
18) Methyl Acetate	2.75	43	8798	2.696	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	21895	2.402	ug/l	97
20) Methylene Chloride	2.84	84	8901	2.761	ug/l	99
21) trans-1,2-Dichloroethene	3.15	96	8276	2.694	ug/l	89
22) Diisopropyl ether	3.82	45	22231	2.508	ug/l #	60
23) Vinyl Acetate	3.79	43	90954	11.670	ug/l	100
24) 1,1-Dichloroethane	3.67	63	13862	2.661	ug/l	97
25) 2-Butanone	4.64	43	26146	12.460	ug/l	97
26) 2,2-Dichloropropane	4.55	77	12150	2.507	ug/l	97
27) cis-1,2-Dichloroethene	4.57	96	9014	2.676	ug/l	97
28) Bromochloromethane	4.98	49	6096	2.534	ug/l	95
29) Tetrahydrofuran	5.10	42	17014	12.526	ug/l	98
30) Chloroform	5.18	83	14950	2.668	ug/l	96
31) Cyclohexane	5.56	56	10397	2.438	ug/l	99
32) 1,1,1-Trichloroethane	5.46	97	13116	2.532	ug/l	96
36) 1,1-Dichloropropene	5.77	75	10888	2.606	ug/l	98
37) Ethyl Acetate	4.80	43	10842	2.509	ug/l #	95
38) Carbon Tetrachloride	5.76	117	12002	2.453	ug/l	97

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

39) Methylcyclohexane	7.43	83	10405	2.293	ug/l	95
40) Benzene	6.12	78	30928	2.576	ug/l #	89
41) Methacrylonitrile	5.01	41	5557	2.395	ug/l #	83
42) 1,2-Dichloroethane	6.16	62	12529	2.685	ug/l	98
43) Isopropyl Acetate	6.42	43	16853	2.441	ug/l	98
44) Trichloroethene	7.19	130	9657	2.633	ug/l	99
45) 1,2-Dichloropropane	7.49	63	8068	2.626	ug/l	97
46) Dibromomethane	7.64	93	5734	2.587	ug/l	96
47) Bromodichloromethane	7.88	83	10947	2.363	ug/l	92
48) Methyl methacrylate	7.75	41	7887	2.380	ug/l	95
49) 1,4-Dioxane	7.72	88	2932	43.239	ug/l #	80
51) 4-Methyl-2-Pentanone	8.62	43	48680	11.562	ug/l	99
52) Toluene	8.76	92	19917	2.585	ug/l	97
53) t-1,3-Dichloropropene	9.02	75	11147	2.233	ug/l	93
54) cis-1,3-Dichloropropene	8.42	75	12333	2.317	ug/l	91
55) 1,1,2-Trichloroethane	9.20	97	8319	2.589	ug/l	97
56) Ethyl methacrylate	9.16	69	9969	2.185	ug/l	97
57) 1,3-Dichloropropane	9.35	76	13143	2.459	ug/l	96
58) 2-Chloroethyl Vinyl ether	8.29	63	23947	10.338	ug/l	100
59) 2-Hexanone	9.47	43	35386	11.136	ug/l	93
60) Dibromochloromethane	9.57	129	9591	2.443	ug/l	100
61) 1,2-Dibromoethane	9.65	107	8102	2.318	ug/l	92
64) Tetrachloroethene	9.32	164	9641	2.599	ug/l	98
65) Chlorobenzene	10.12	112	21422	2.460	ug/l	96
66) 1,1,1,2-Tetrachloroethane	10.21	131	8868	2.557	ug/l	93
67) Ethyl Benzene	10.23	91	33766	2.329	ug/l	99
68) m/p-Xylenes	10.34	106	24818	4.499	ug/l	100
69) o-Xylene	10.68	106	12183	2.311	ug/l	93
70) Styrene	10.70	104	19076	2.108	ug/l	98
71) Bromoform	10.84	173	6451	2.205	ug/l #	98
73) Isopropylbenzene	11.00	105	30883	2.214	ug/l	98
74) N-amyl acetate	10.88	43	11665	2.090	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.25	83	11672	2.756	ug/l	98
76) 1,2,3-Trichloropropane	11.28	75	9171m	2.230	ug/l	
77) Bromobenzene	11.24	156	10241	2.577	ug/l	99
78) n-propylbenzene	11.34	91	36457	2.327	ug/l	100
79) 2-Chlorotoluene	11.40	91	23110	2.394	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	26703	2.255	ug/l	99
81) trans-1,4-Dichloro-2-buten	11.05	75	3635	2.242	ug/l	93
82) 4-Chlorotoluene	11.49	91	27691	2.420	ug/l	98
83) tert-Butylbenzene	11.76	119	25884	2.261	ug/l	98
84) 1,2,4-Trimethylbenzene	11.79	105	25698	2.148	ug/l	99
85) sec-Butylbenzene	11.93	105	29271	2.184	ug/l	99
86) p-Isopropyltoluene	12.05	119	25771	2.032	ug/l	96
87) 1,3-Dichlorobenzene	12.01	146	17308	2.435	ug/l	98
88) 1,4-Dichlorobenzene	12.08	146	18713	2.606	ug/l	88
89) n-Butylbenzene	12.37	91	23721	2.193	ug/l	97
90) Hexachloroethane	12.58	117	6096	2.532	ug/l	91
91) 1,2-Dichlorobenzene	12.38	146	17621	2.638	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	12.99	75	2413	2.159	ug/l	96

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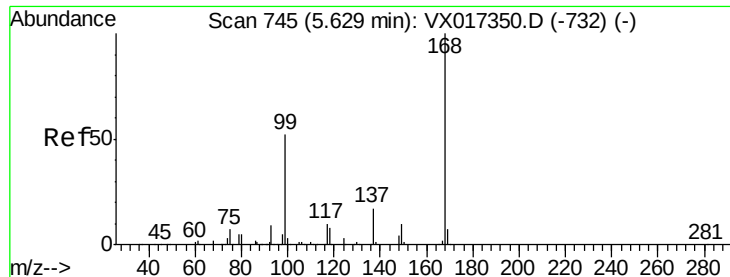
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	13.63	180	10390	2.241	ug/l	98
94) Hexachlorobutadiene	13.77	225	5091	2.692	ug/l	98
95) Naphthalene	13.82	128	26269	1.927	ug/l	98
96) 1,2,3-Trichlorobenzene	14.00	180	10120	2.259	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:168 Resp: 295049

Ion Ratio Lower Upper

168 100

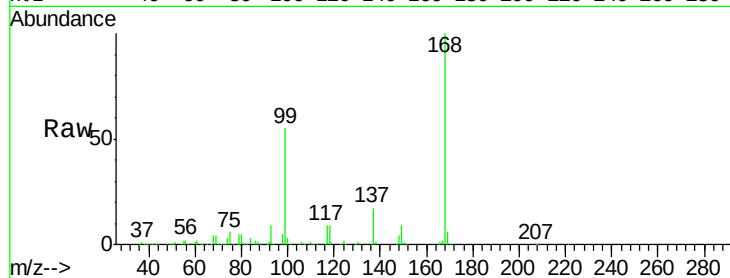
99 55.4 41.6 62.4

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

120000

100000

80000

60000

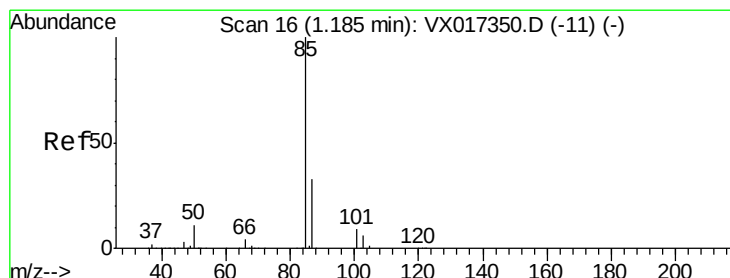
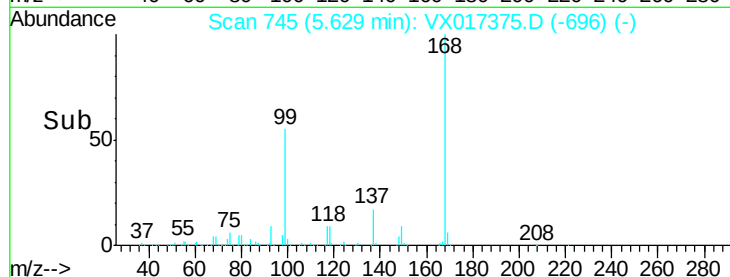
40000

20000

0

5.50 5.60 5.70 5.80

Time-->



#2

Dichlorodifluoromethane

Concen: 2.263 ug/l

RT: 1.18 min Scan# 16

Delta R.T. 0.00 min

Lab File: VX017375.D

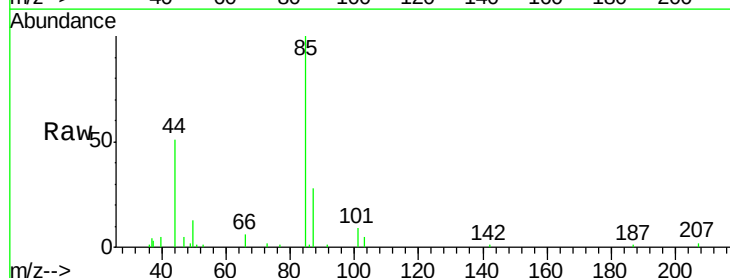
Acq: 14 Jul 2020 13:48

Tgt Ion: 85 Resp: 5649

Ion Ratio Lower Upper

85 100

87 28.2 16.3 48.8



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

6000

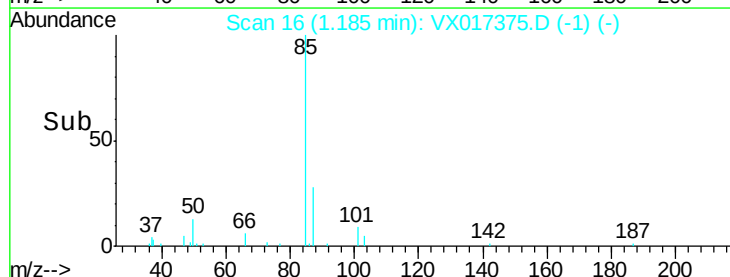
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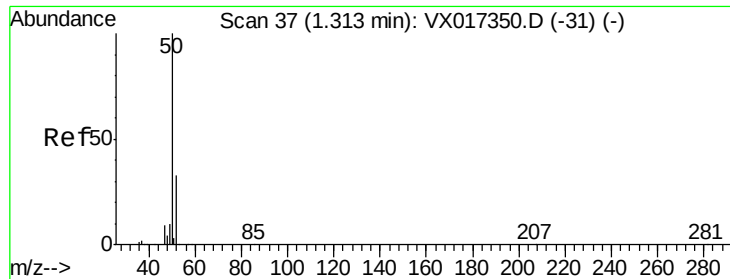
2000

0

1.15 1.20 1.25

Time-->





#3

Chloromethane

Concen: 2.378 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 50 Resp: 6684

Ion Ratio Lower Upper

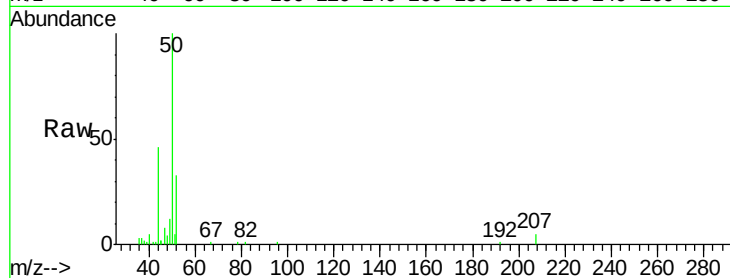
50 100

52 32.7 26.7 40.1

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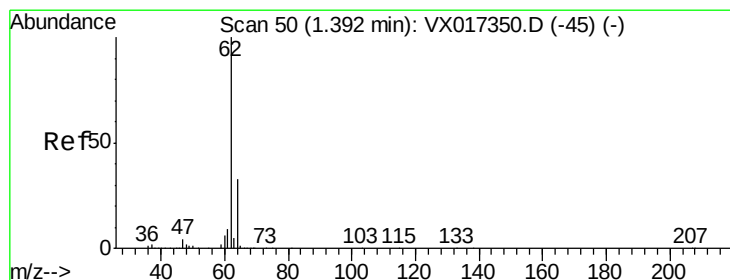
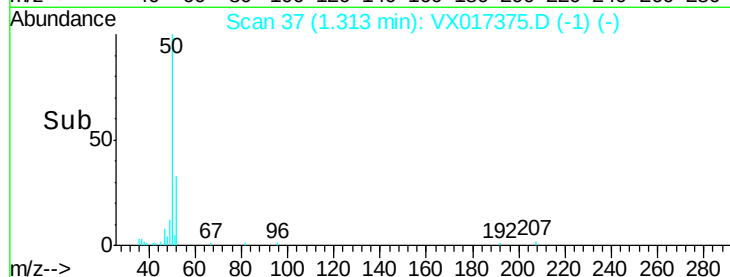
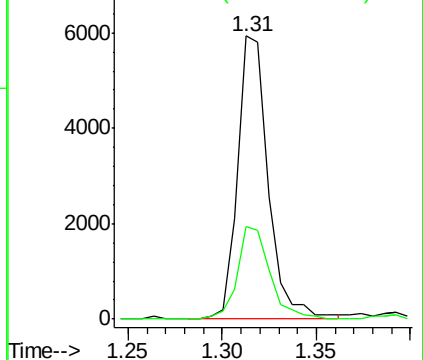
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Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#4

Vinyl Chloride

Concen: 2.301 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX017375.D

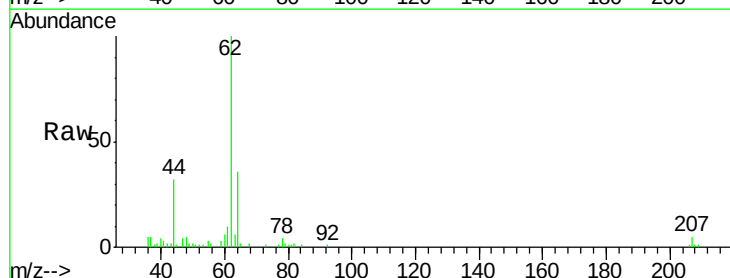
Acq: 14 Jul 2020 13:48

Tgt Ion: 62 Resp: 6399

Ion Ratio Lower Upper

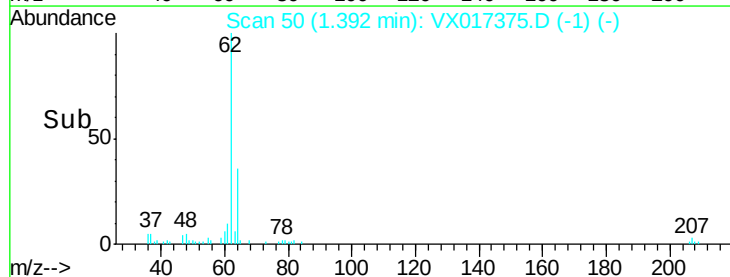
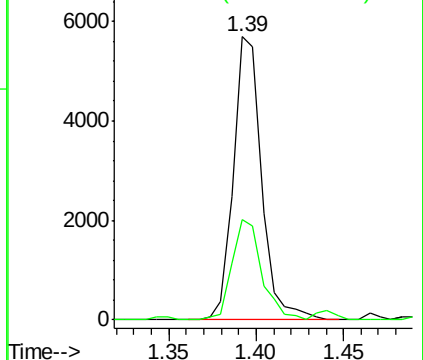
62 100

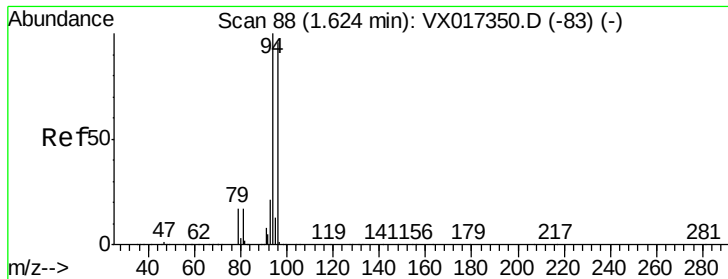
64 35.5 26.3 39.5



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#5

Bromomethane

Concen: 3.341 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 94 Resp: 6047

Ion Ratio Lower Upper

94 100

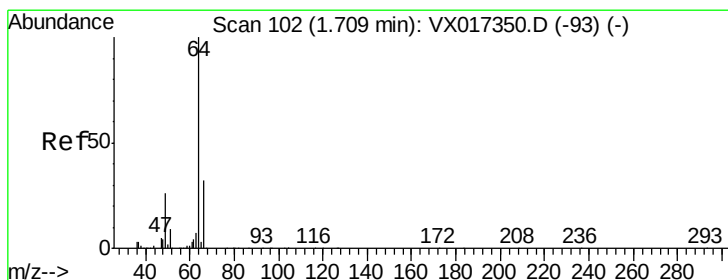
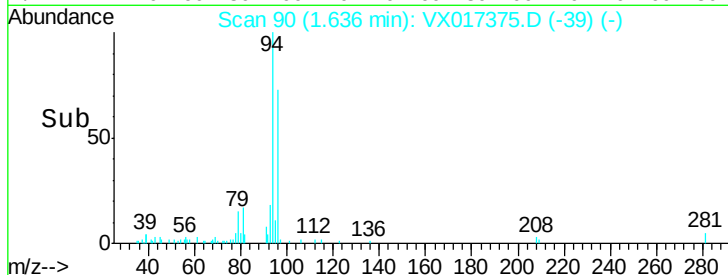
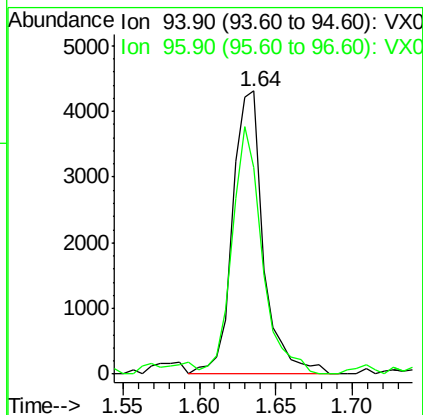
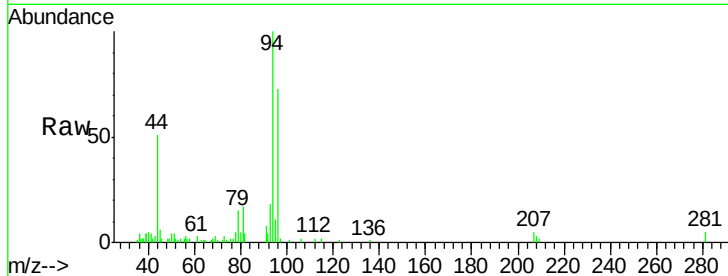
96 73.0 76.6 115.0#

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#6

Chloroethane

Concen: 2.680 ug/l

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017375.D

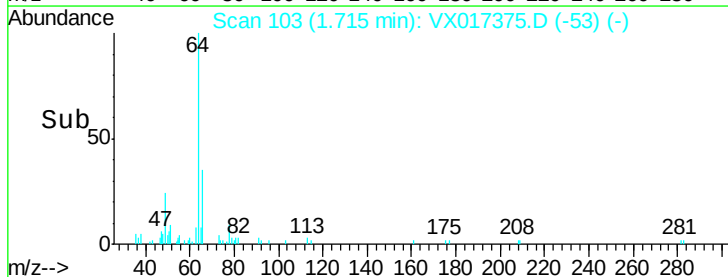
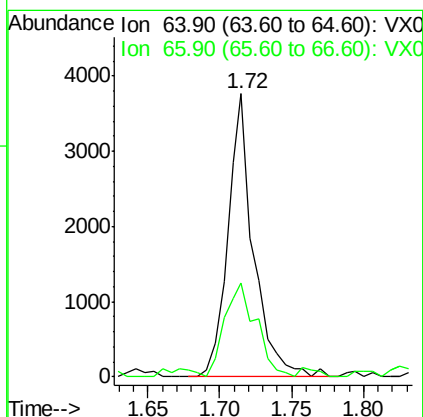
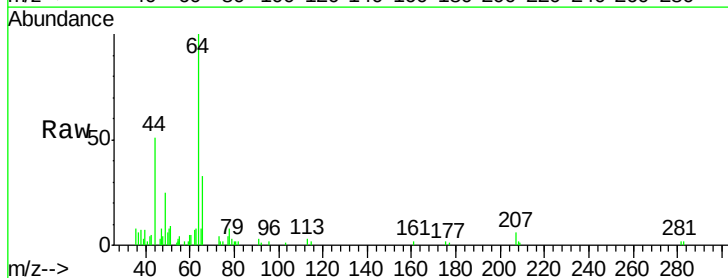
Acq: 14 Jul 2020 13:48

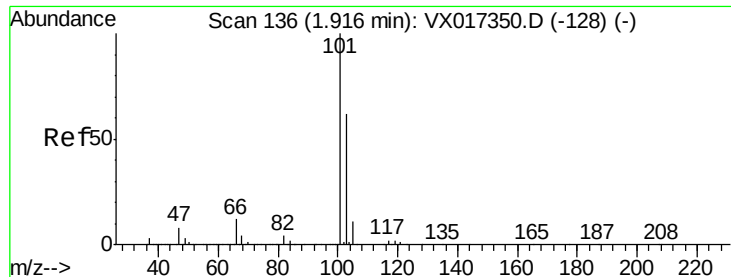
Tgt Ion: 64 Resp: 4703

Ion Ratio Lower Upper

64 100

66 33.0 25.7 38.5





#7

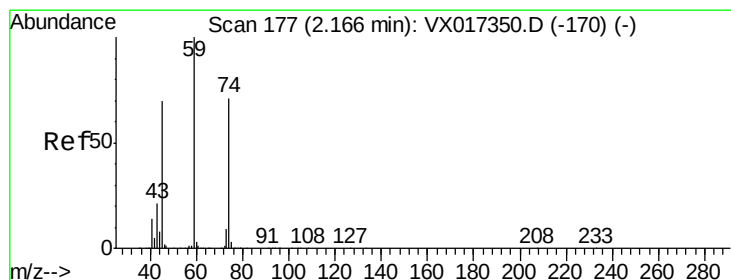
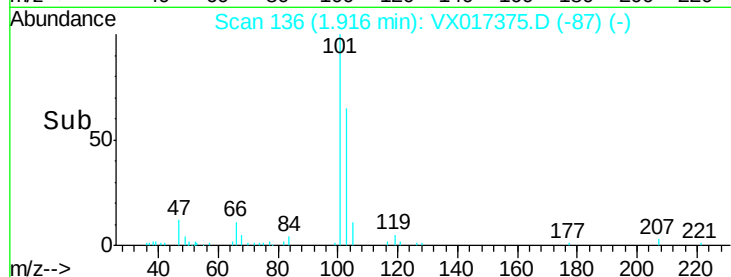
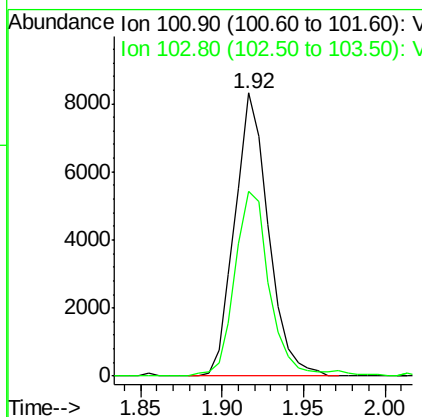
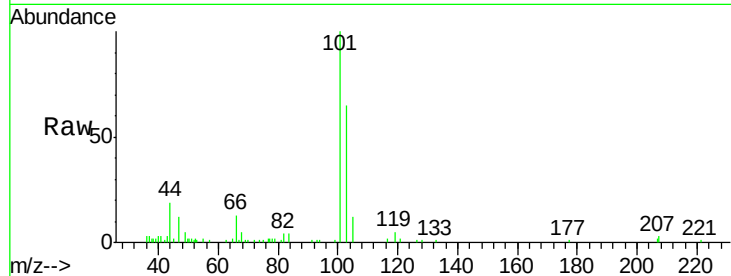
Trichlorofluoromethane
Concen: 2.557 ug/l
RT: 1.92 min Scan# 136
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.5	49.6	74.4

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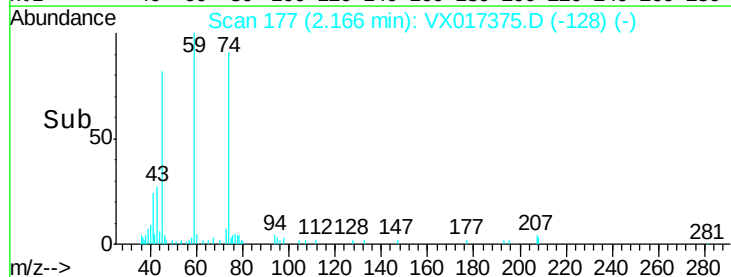
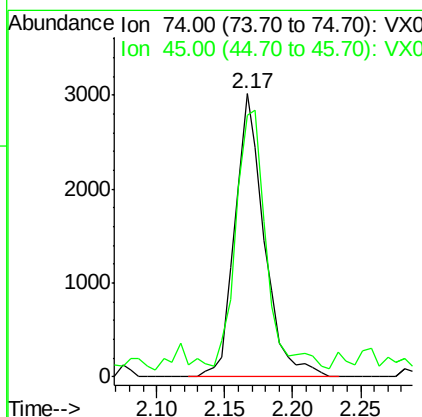
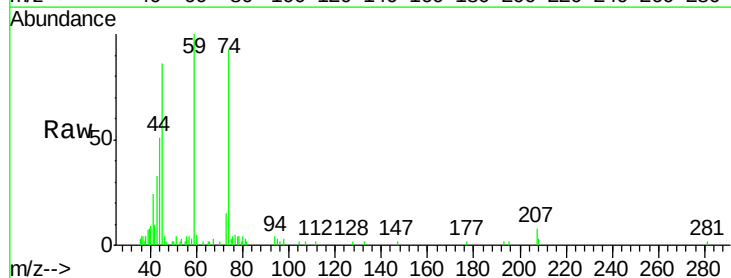
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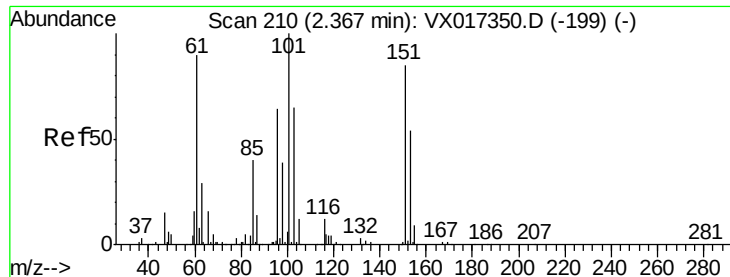


#8

Diethyl Ether
Concen: 2.726 ug/l
RT: 2.17 min Scan# 177
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
74	100		
45	92.7	47.2	141.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.774 ug/l

RT: 2.37 min Scan# 210

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

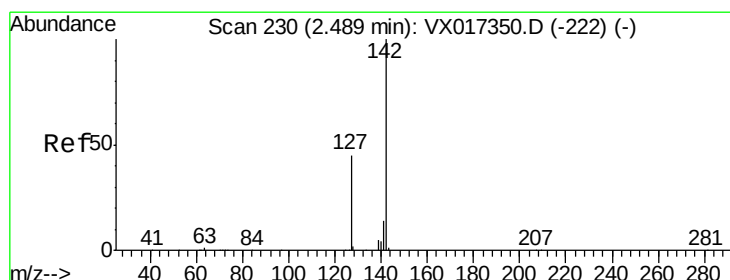
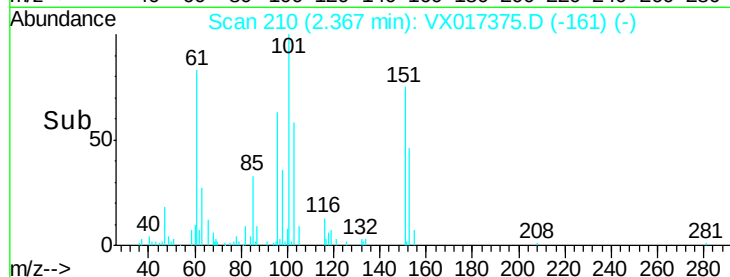
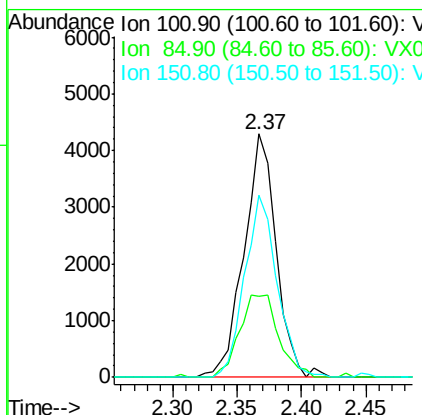
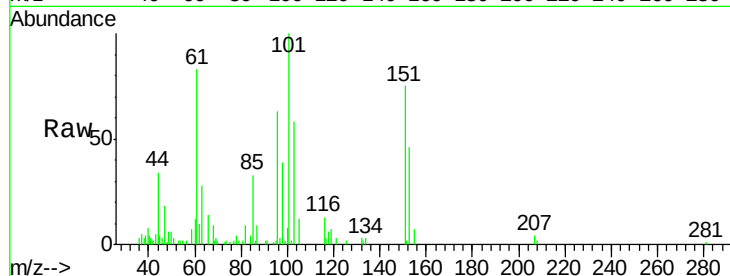
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	101	Resp:	7415
Ion Ratio	Lower	Upper	
101	100		
85	41.0	33.7	50.5
151	75.1	66.4	99.6

Manual Integrations
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#10

Methyl Iodide

Concen: 1.803 ug/l

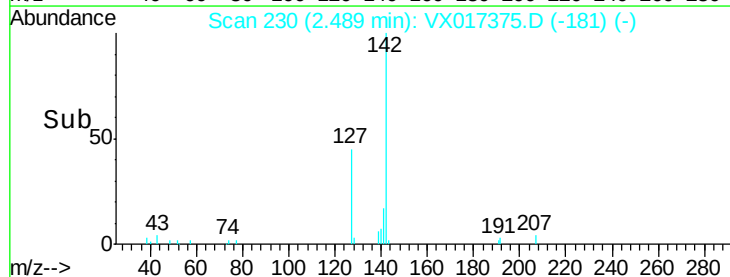
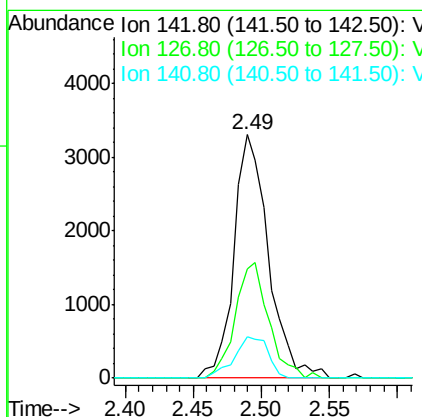
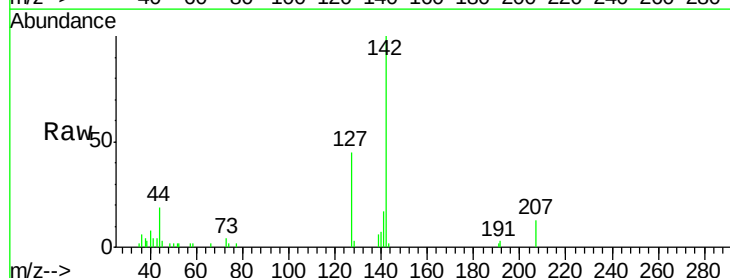
RT: 2.49 min Scan# 230

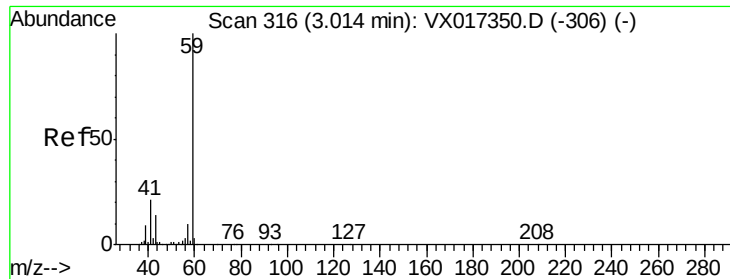
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion:	142	Resp:	5847
Ion Ratio	Lower	Upper	
142	100		
127	46.1	36.8	55.2
141	16.6	11.4	17.0





#11

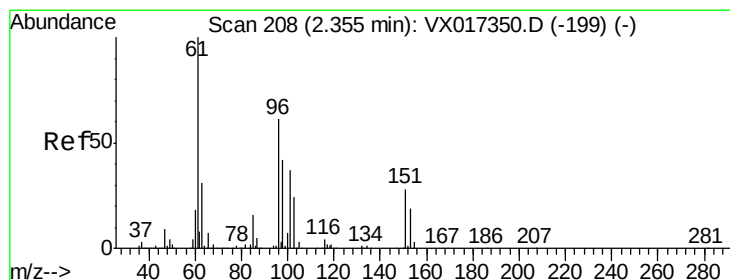
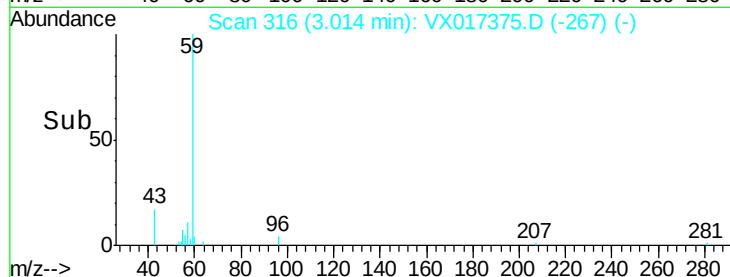
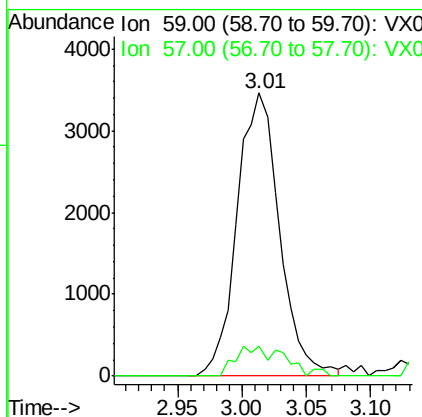
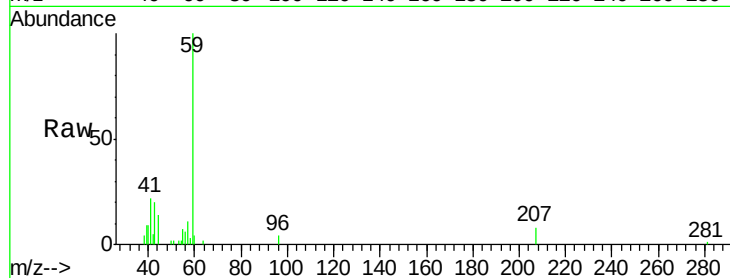
Tert butyl alcohol
Concen: 12.669 ug/l
RT: 3.01 min Scan# 316
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.3	12.5#

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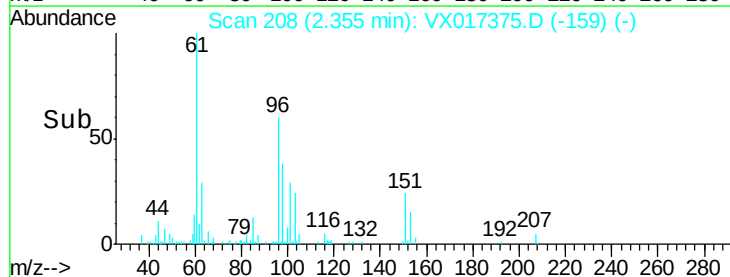
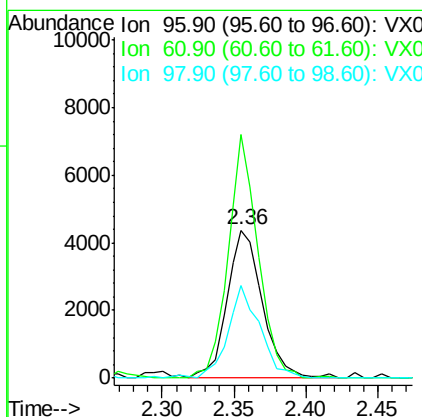
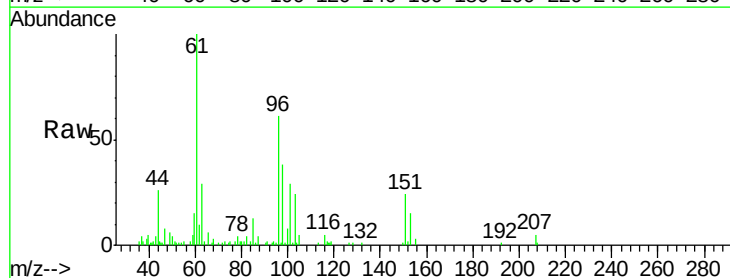
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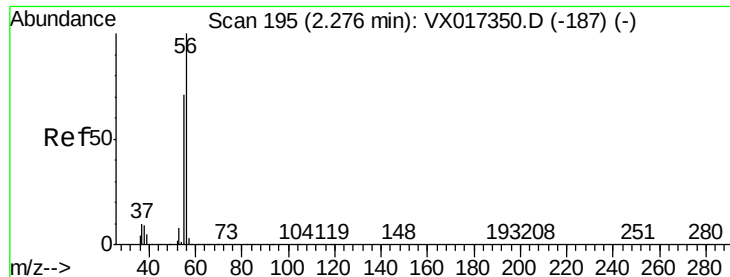


#12

1,1-Dichloroethene
Concen: 2.793 ug/l
RT: 2.36 min Scan# 208
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
96	100		
61	164.3	131.5	197.3
98	62.8	55.1	82.7





#13

Acrolein

Concen: 9.891 ug/l

RT: 2.28 min Scan# 195

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 56 Resp: 3383

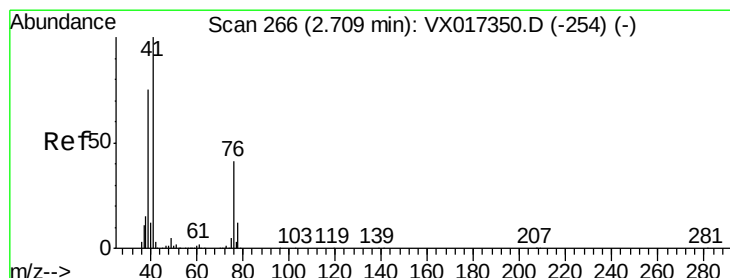
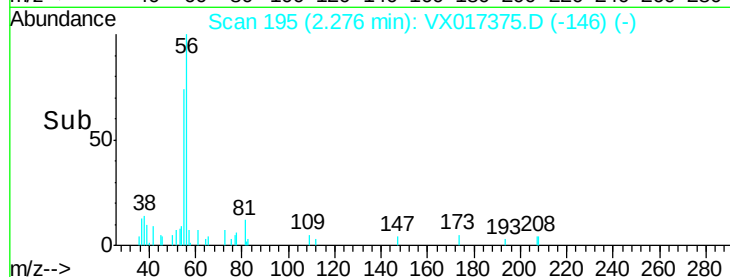
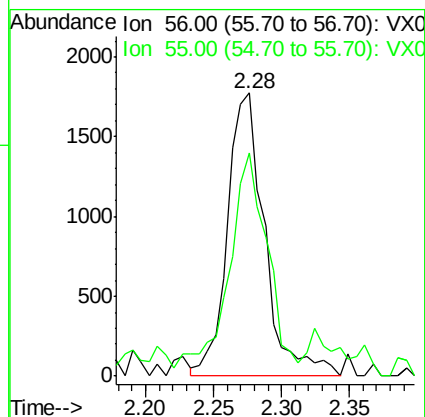
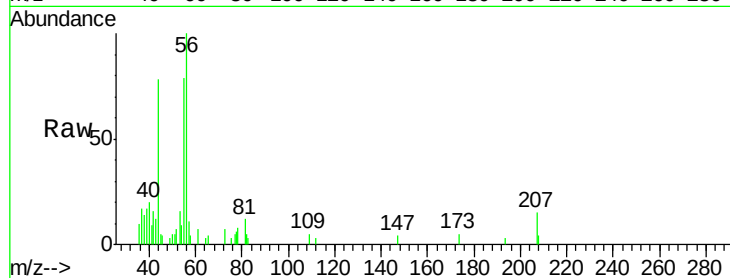
Ion Ratio Lower Upper

56 100

55 83.8 57.1 85.7

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#14

Allyl chloride

Concen: 2.669 ug/l

RT: 2.71 min Scan# 266

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

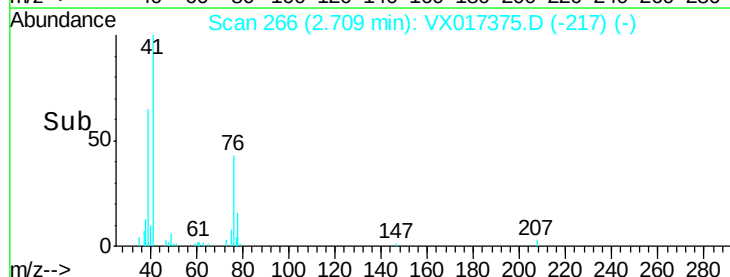
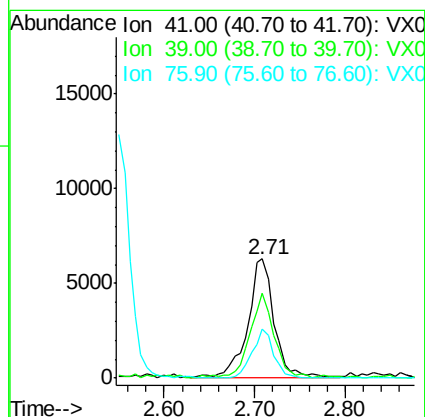
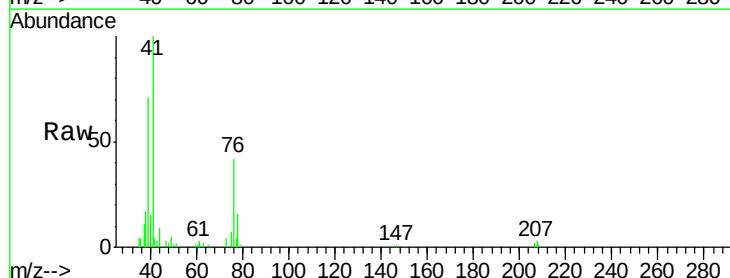
Tgt Ion: 41 Resp: 12417

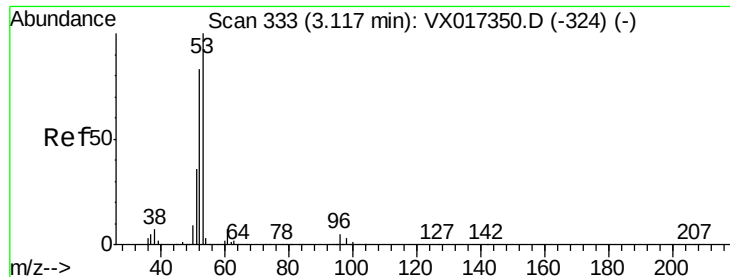
Ion Ratio Lower Upper

41 100

39 65.6 53.0 79.4

76 33.6 28.2 42.2





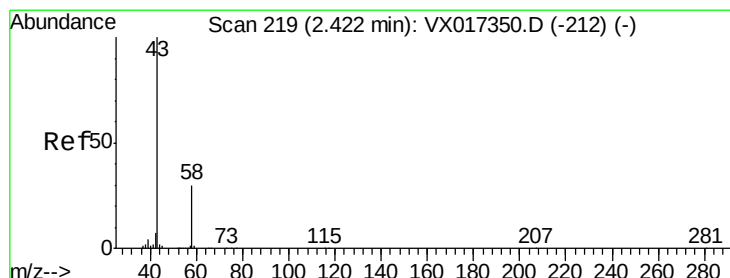
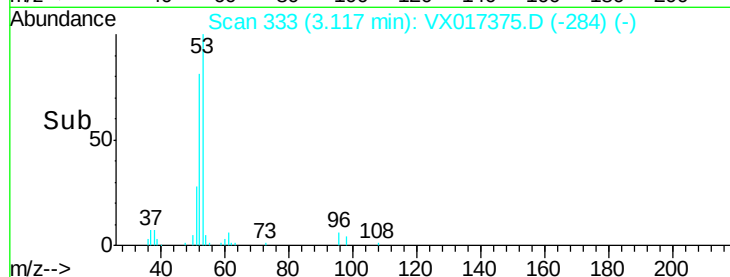
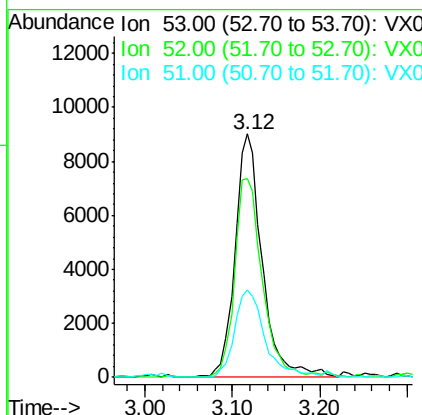
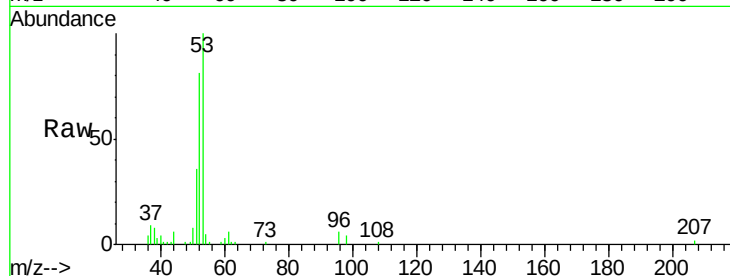
#15
 Acrylonitrile
 Concen: 12.904 ug/l
 RT: 3.12 min Scan# 333
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
53	100		
52	82.5	65.8	98.6
51	40.0	29.2	43.8

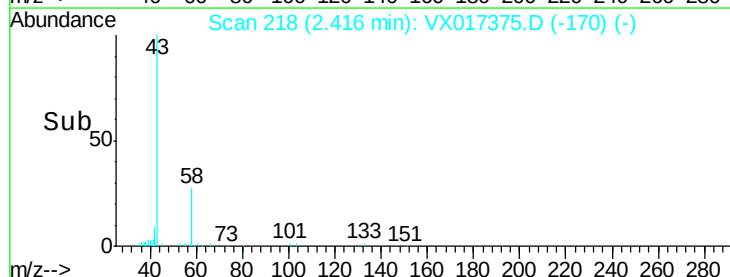
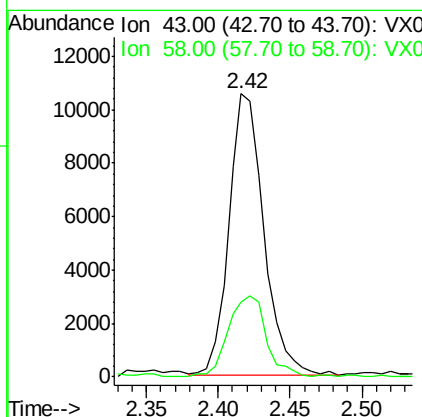
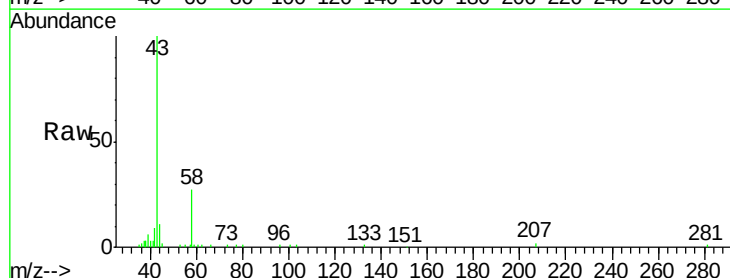
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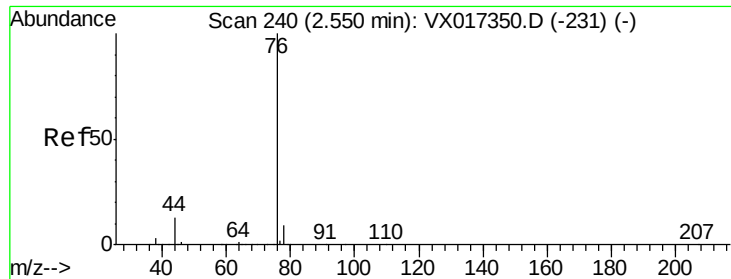
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#16
 Acetone
 Concen: 13.477 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.8	24.2	36.2





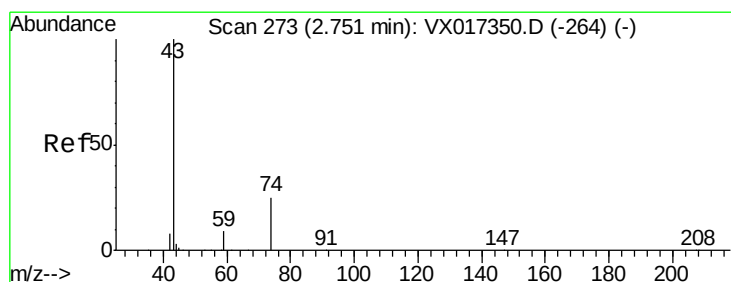
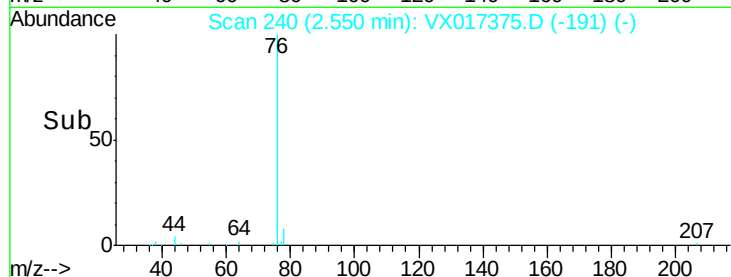
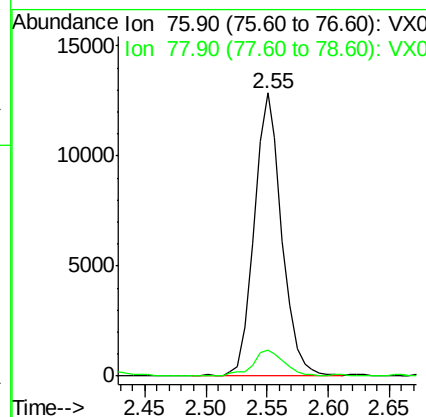
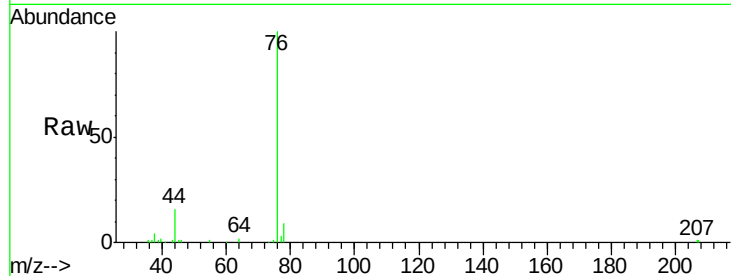
#17
Carbon Disulfide
Concen: 2.570 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.3	10.9

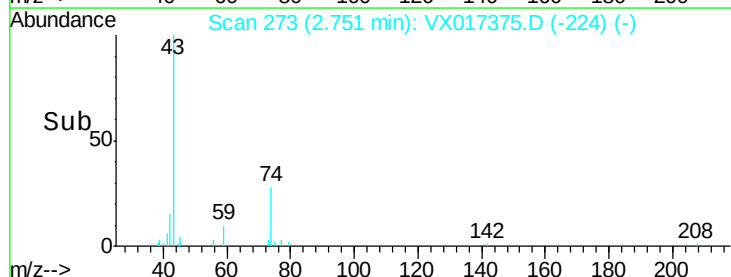
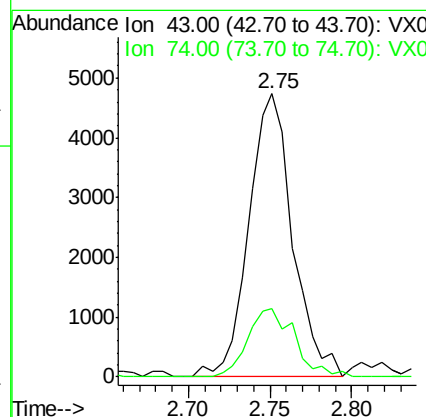
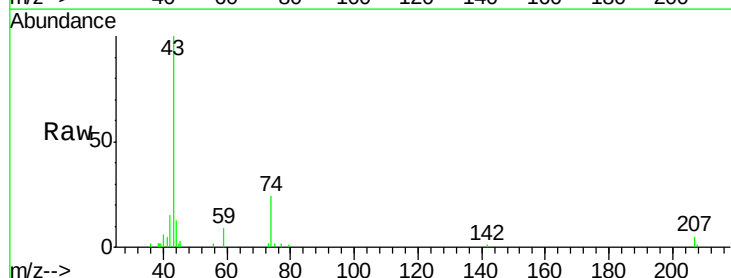
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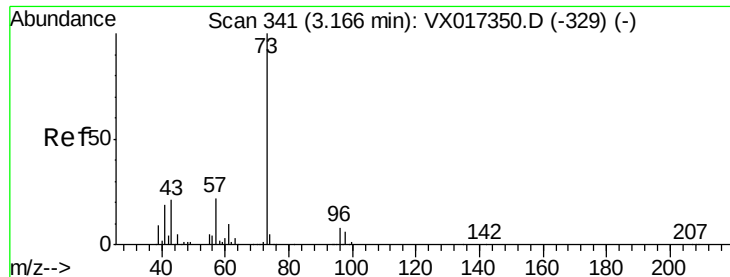
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#18
Methyl Acetate
Concen: 2.696 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.9	19.4	29.2





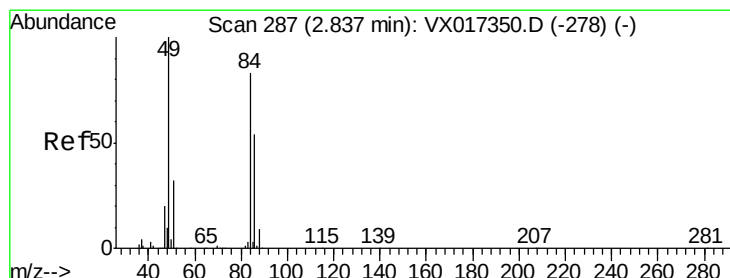
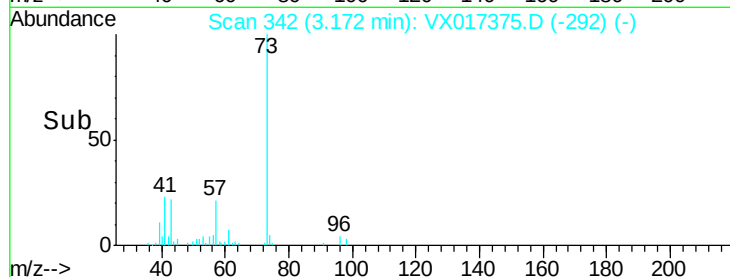
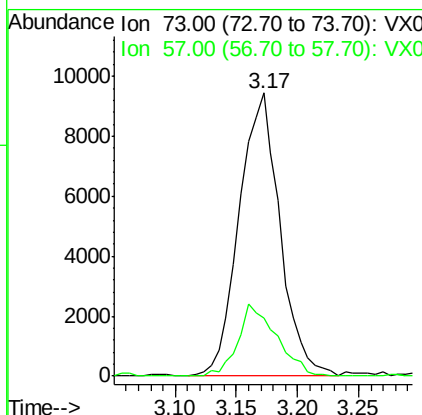
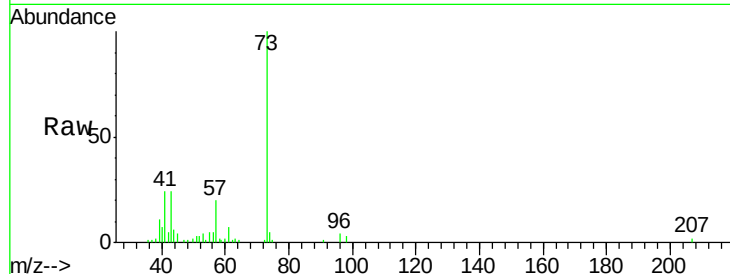
#19
Methyl tert-butyl Ether
Concen: 2.402 ug/l
RT: 3.17 min Scan# 342
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion: 73 Resp: 21895
Ion Ratio Lower Upper
73 100
57 20.4 17.5 26.3

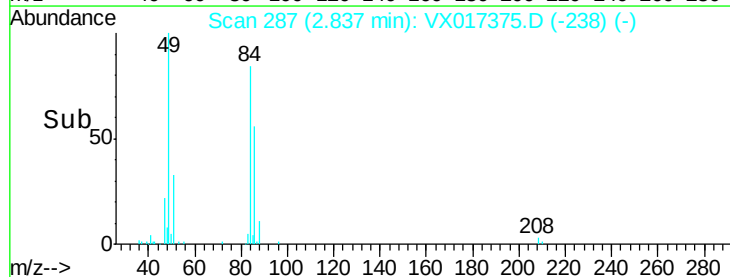
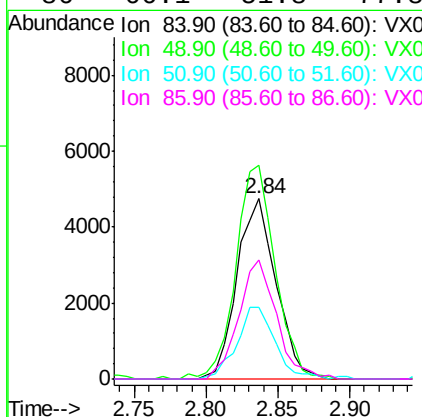
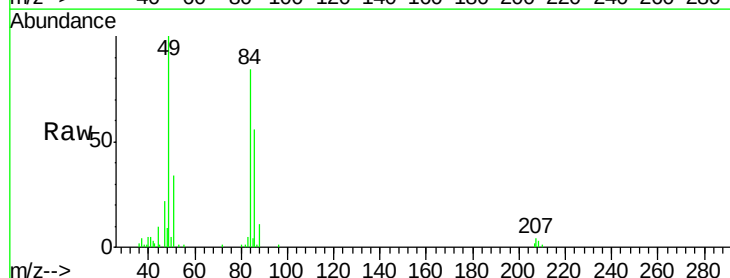
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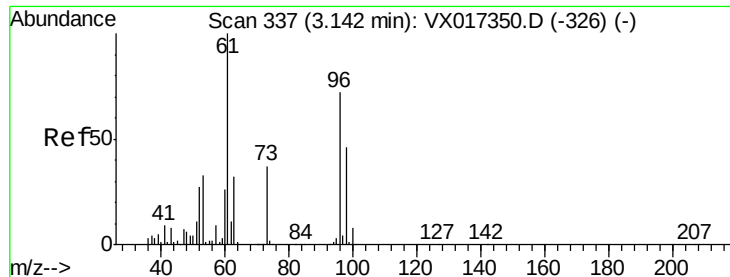
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#20
Methylene Chloride
Concen: 2.761 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion: 84 Resp: 8901
Ion Ratio Lower Upper
84 100
49 118.7 95.8 143.8
51 39.9 31.0 46.4
86 66.1 51.8 77.8





#21

trans-1,2-Dichloroethene

Concen: 2.694 ug/l

RT: 3.15 min Scan# 338

Delta R.T. 0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

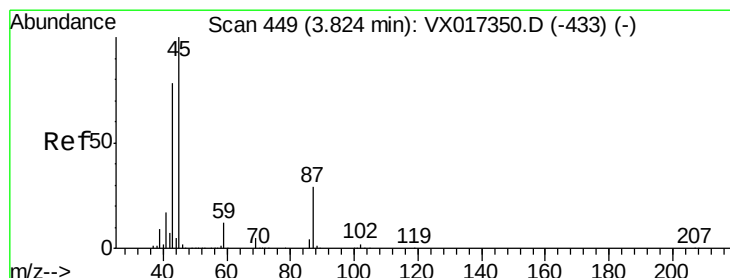
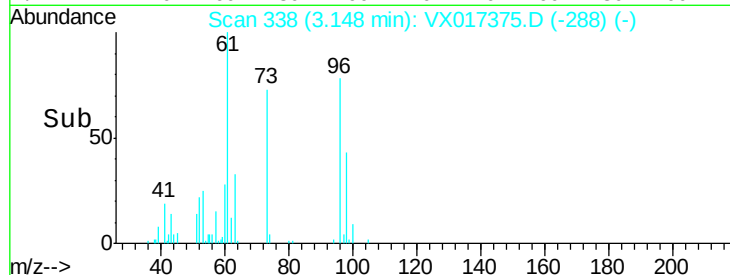
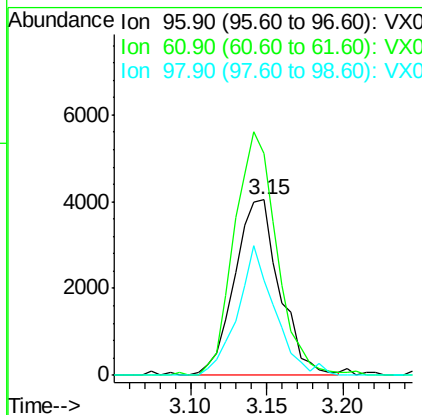
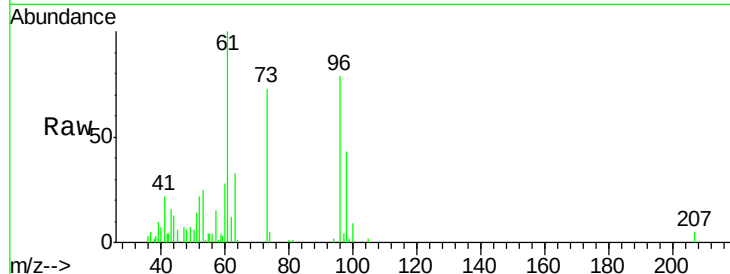
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	96	Resp:	8276
Ion	Ratio	Lower	Upper
96	100		
61	126.5	111.1	166.7
98	53.9	51.4	77.0

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#22

Diisopropyl ether

Concen: 2.508 ug/l

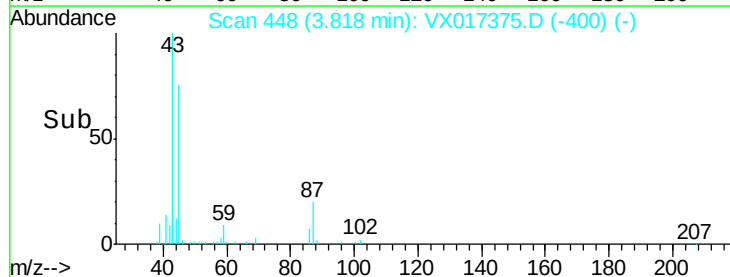
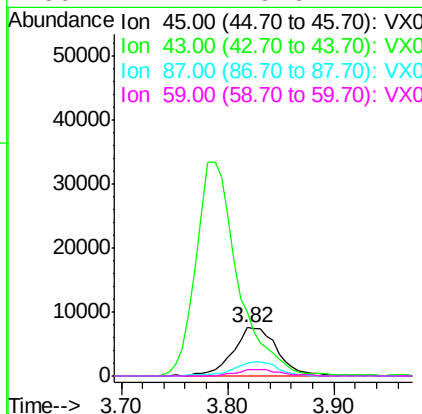
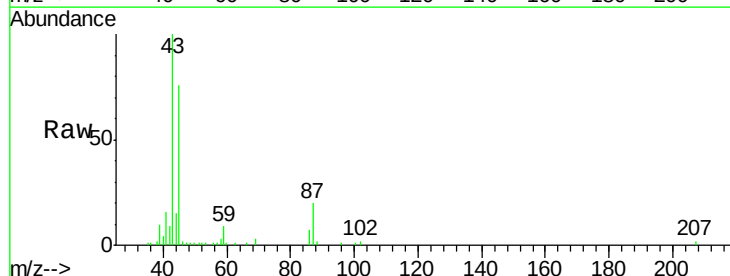
RT: 3.82 min Scan# 448

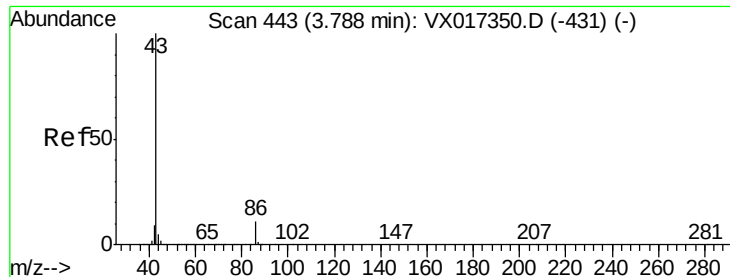
Delta R.T. -0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion:	45	Resp:	22231
Ion	Ratio	Lower	Upper
45	100		
43	129.1	62.2	93.2#
87	26.3	23.0	34.6
59	12.1	9.6	14.4





#23

Vinyl Acetate

Concen: 11.670 ug/l

RT: 3.79 min Scan# 443

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 90954

Ion Ratio Lower Upper

43 100

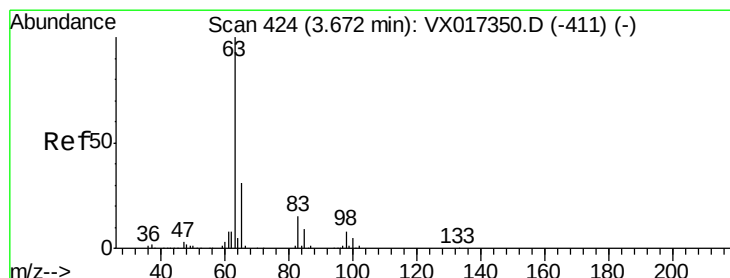
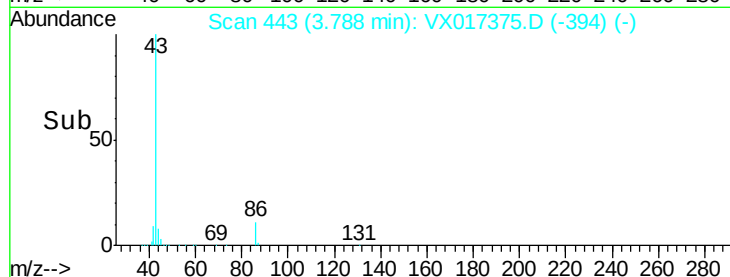
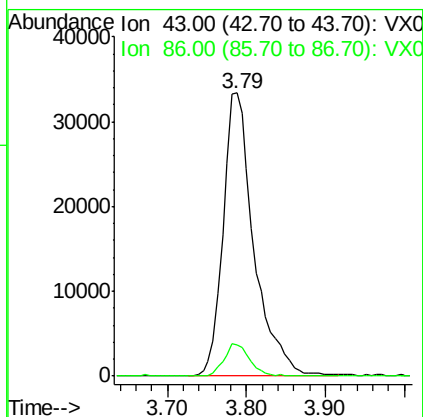
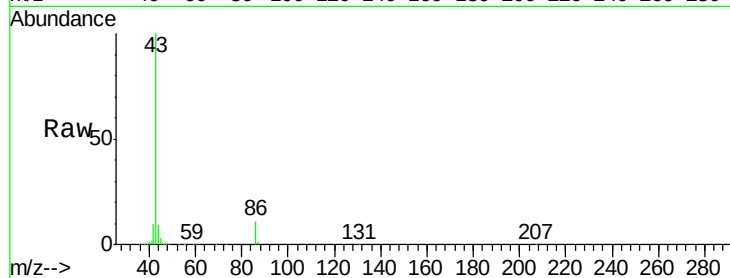
86 11.1 9.0 13.4

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#24

1,1-Dichloroethane

Concen: 2.661 ug/l

RT: 3.67 min Scan# 424

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

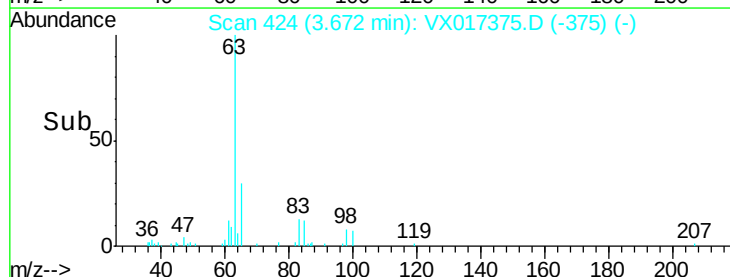
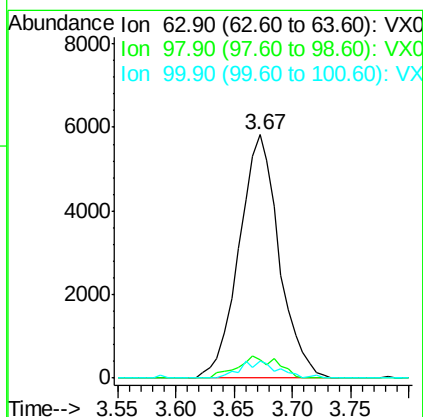
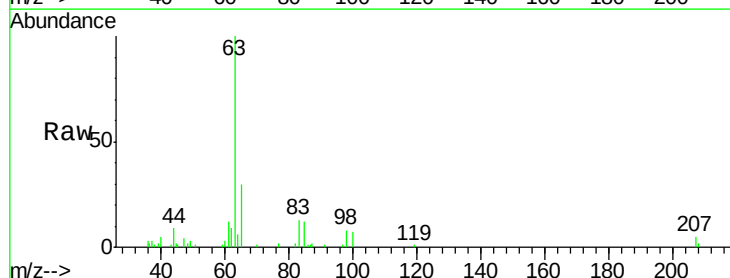
Tgt Ion: 63 Resp: 13862

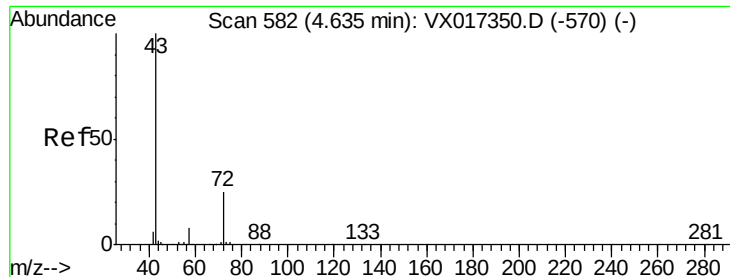
Ion Ratio Lower Upper

63 100

98 7.6 3.9 11.5

100 7.1 2.5 7.5





#25

2-Butanone

Concen: 12.460 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 43 Resp: 26146

Ion Ratio Lower Upper

43 100

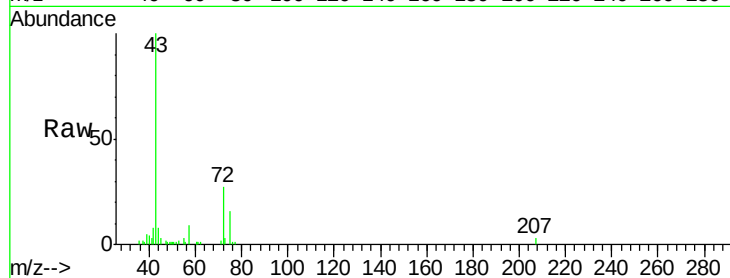
72 26.9 20.4 30.6

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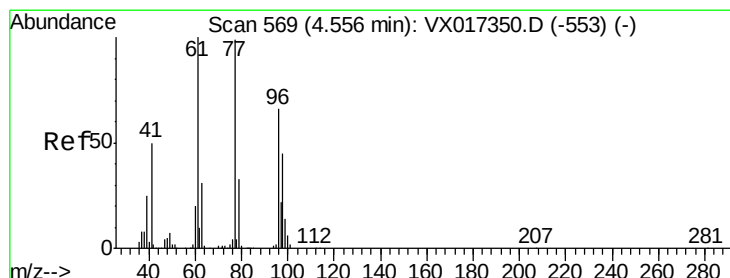
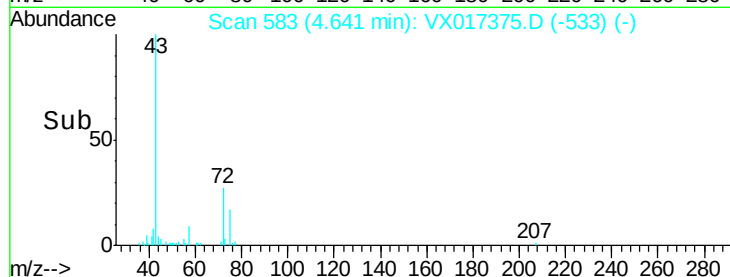
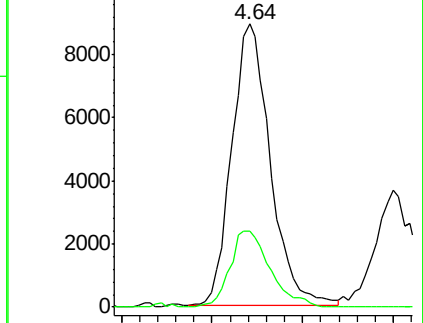
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 2.507 ug/l

RT: 4.55 min Scan# 568

Delta R.T. -0.01 min

Lab File: VX017375.D

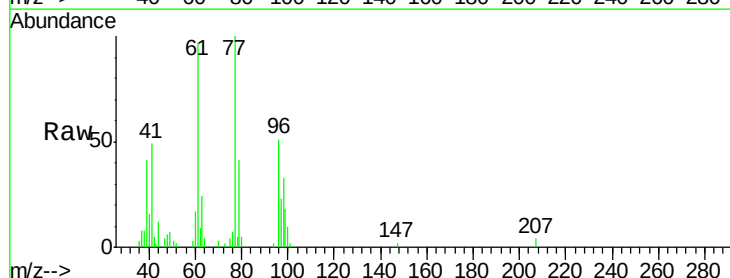
Acq: 14 Jul 2020 13:48

Tgt Ion: 77 Resp: 12150

Ion Ratio Lower Upper

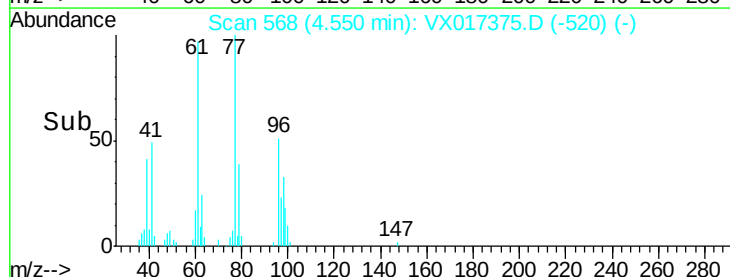
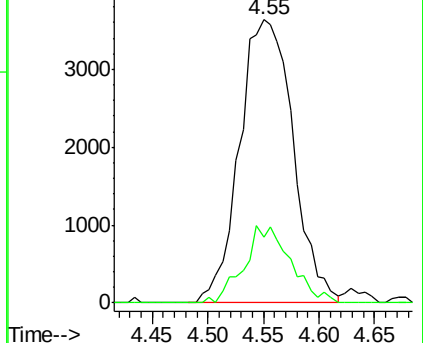
77 100

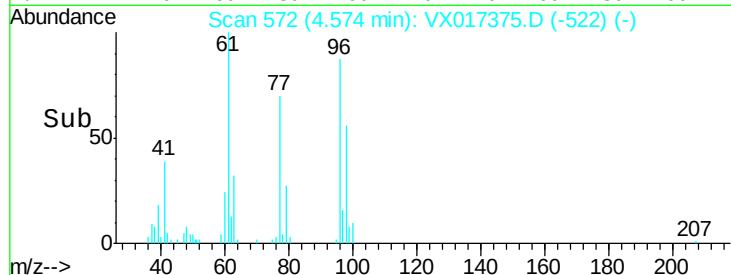
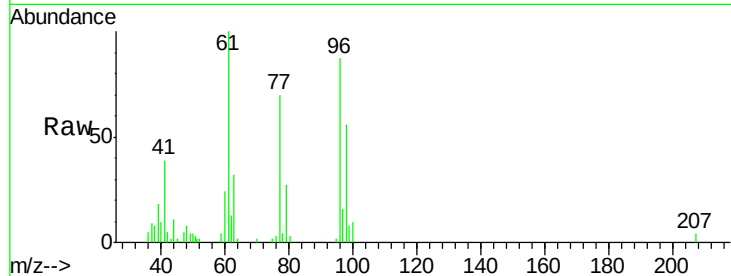
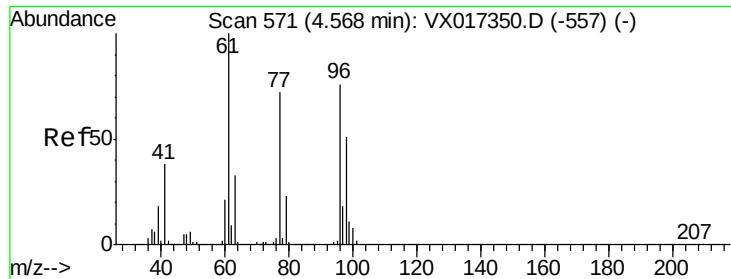
97 23.6 11.1 33.3



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0





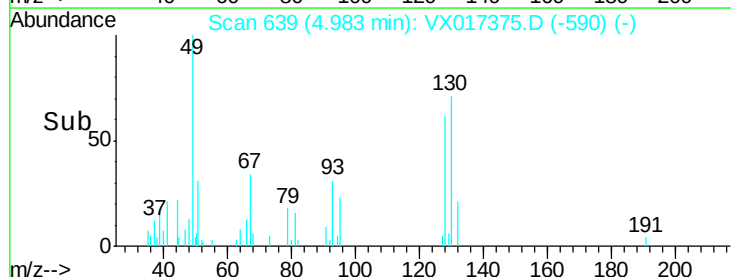
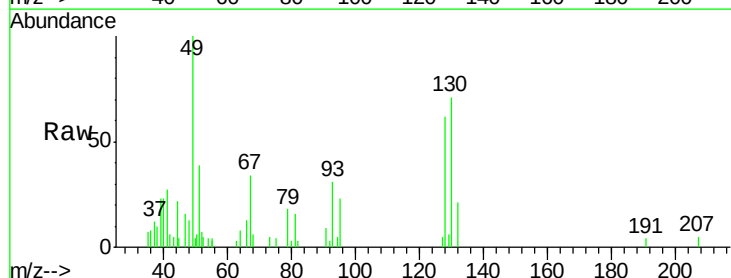
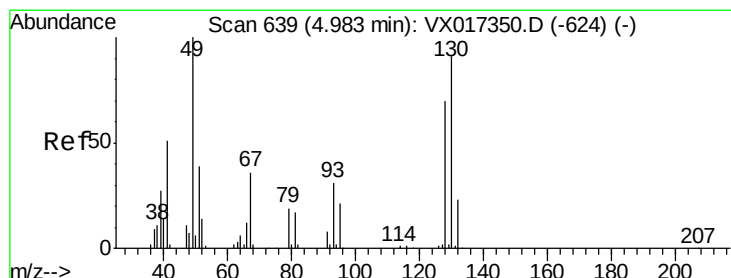
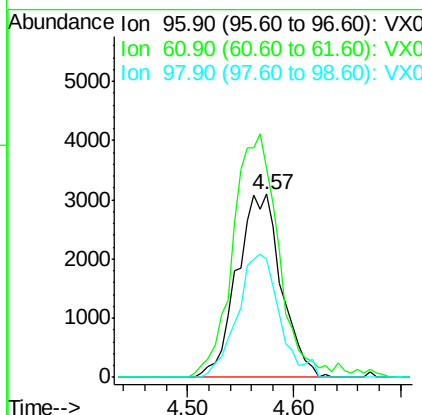
#27
cis-1,2-Dichloroethene
Concen: 2.676 ug/l
RT: 4.57 min Scan# 572
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tot Ion	Ratio	Resp	Lower	Upper
96	100	9014		
61	136.1		0.0	281.2
98	64.1		0.0	131.4

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

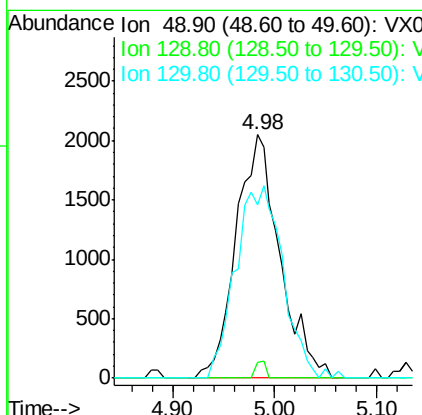
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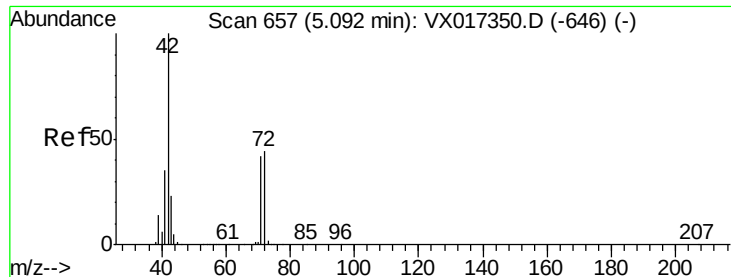
MMDadoda
7/15/2020 11:43:26 AM



#28
Bromochloromethane
Concen: 2.534 ug/l
RT: 4.98 min Scan# 639
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	6096		
129	1.6		0.0	4.8
130	84.5		71.1	106.7





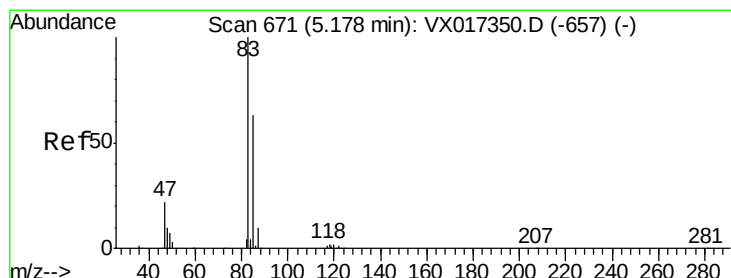
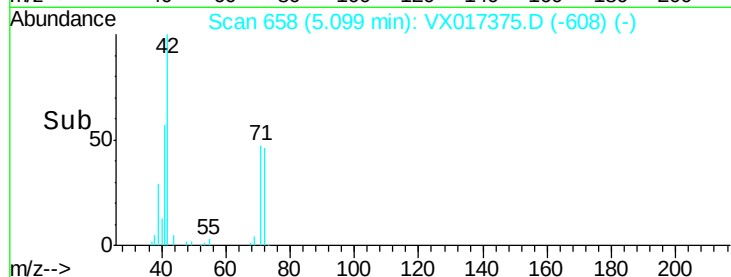
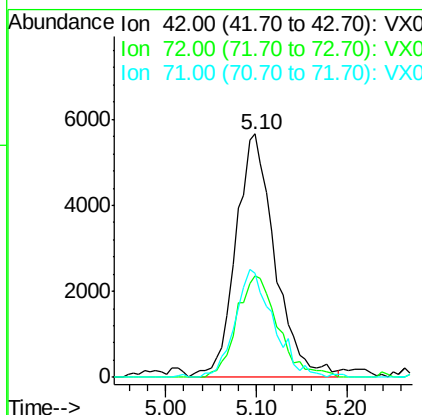
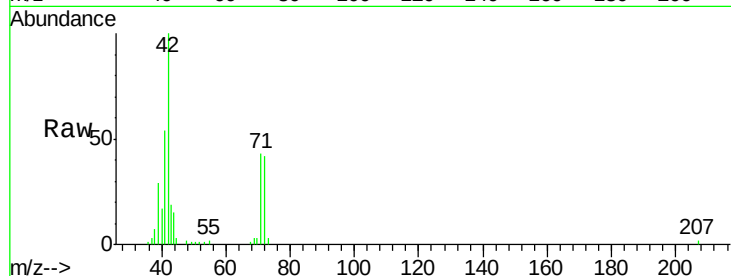
#29
Tetrahydrofuran
Concen: 12.526 ug/l
RT: 5.10 min Scan# 658
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.0	37.2	55.8
71	43.1	34.4	51.6

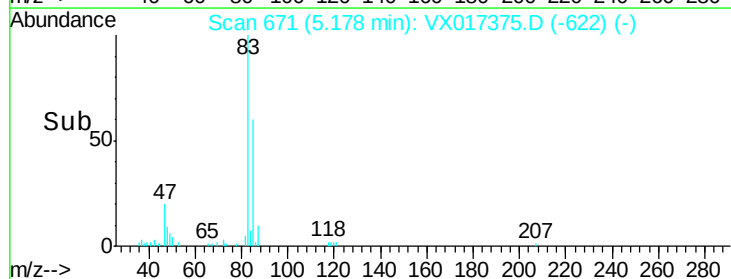
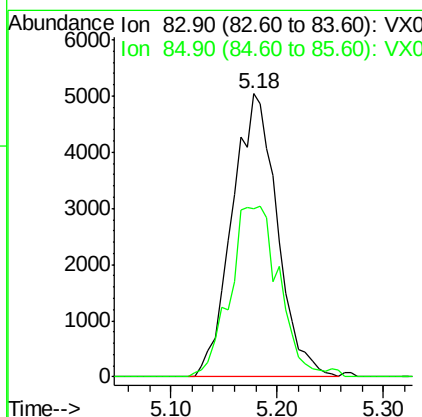
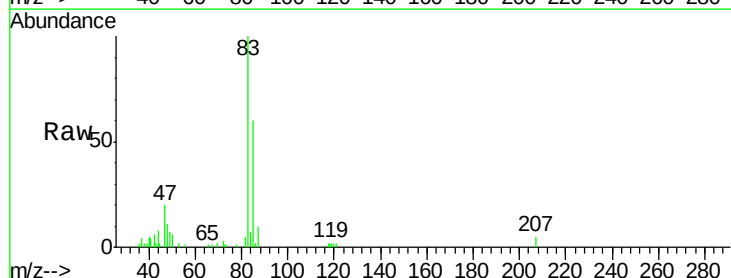
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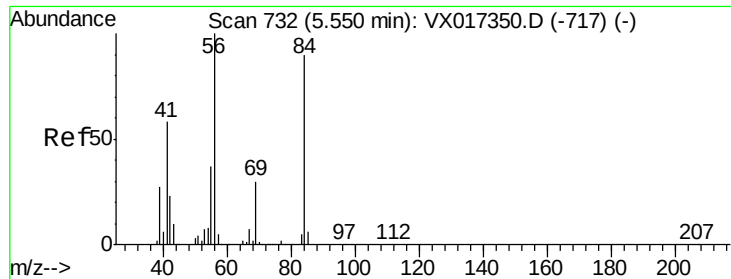
MMDadoda
7/15/2020 11:43:26 AM



#30
Chloroform
Concen: 2.668 ug/l
RT: 5.18 min Scan# 671
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.5	50.2	75.4





#31

Cyclohexane

Concen: 2.438 ug/l

RT: 5.56 min Scan# 733

Delta R.T. 0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

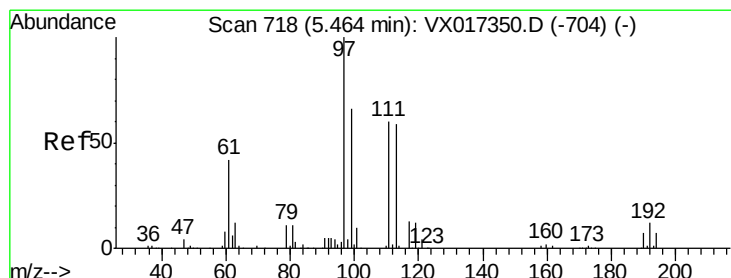
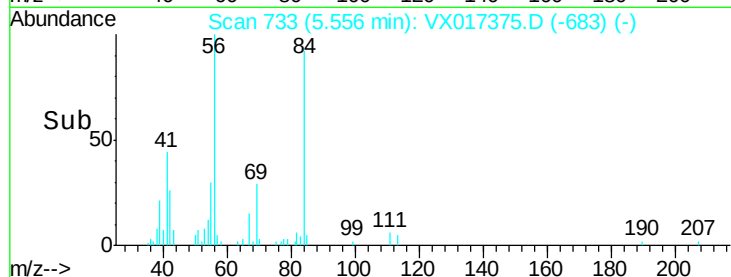
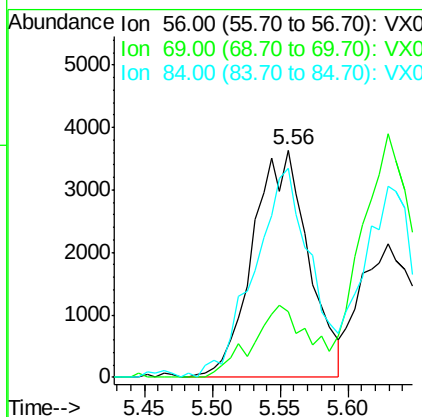
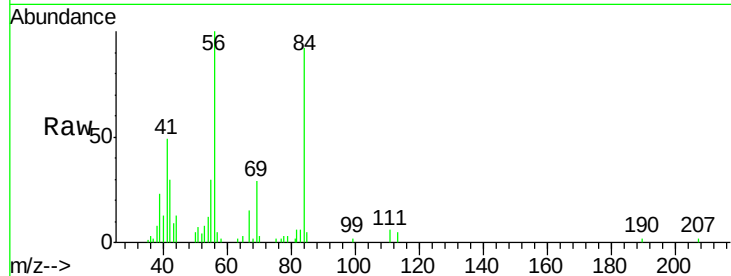
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	56	Resp:	10397
Ion	Ratio	Lower	Upper
56	100		
69	28.7	23.7	35.5
84	90.2	71.8	107.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 2.532 ug/l

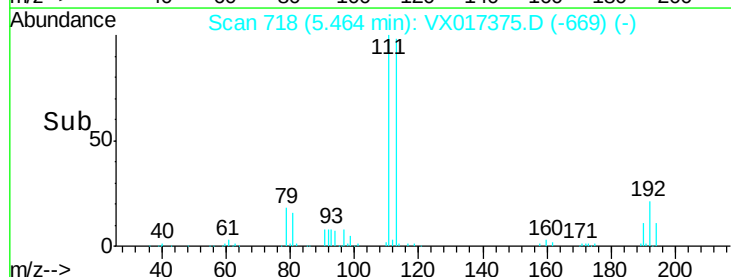
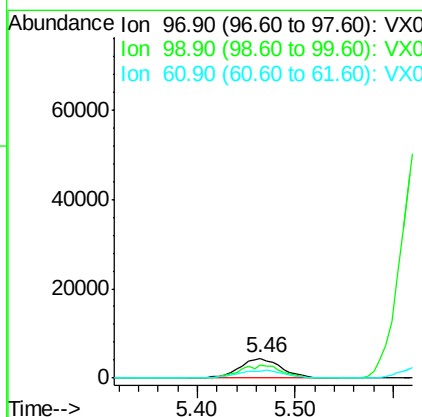
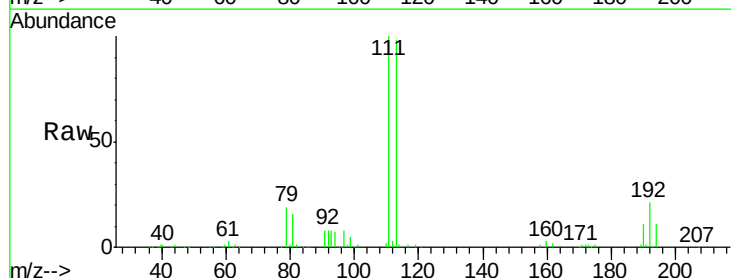
RT: 5.46 min Scan# 718

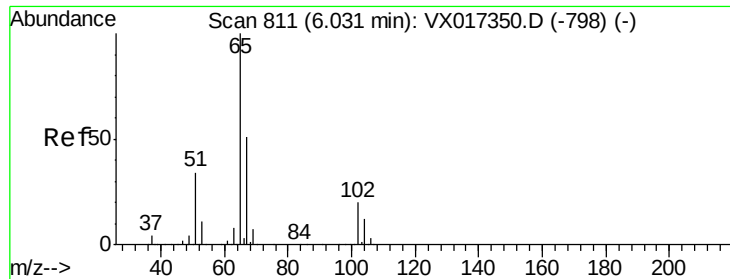
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion:	97	Resp:	13116
Ion	Ratio	Lower	Upper
97	100		
99	68.0	51.2	76.8
61	42.9	32.7	49.1





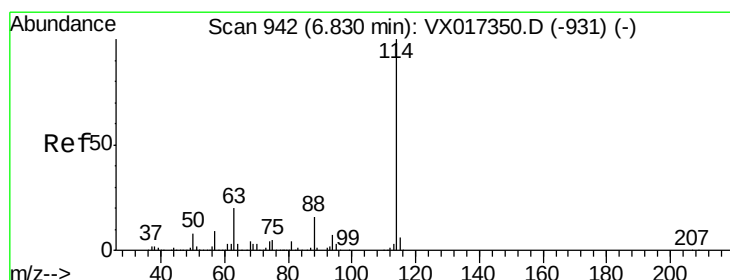
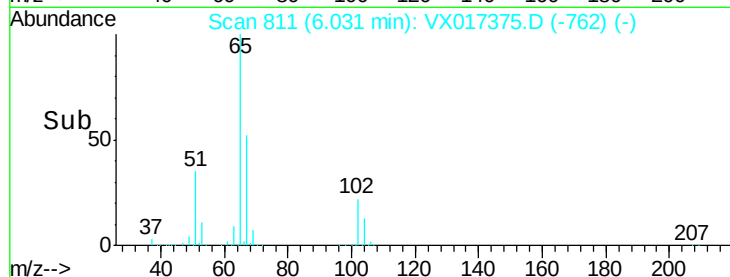
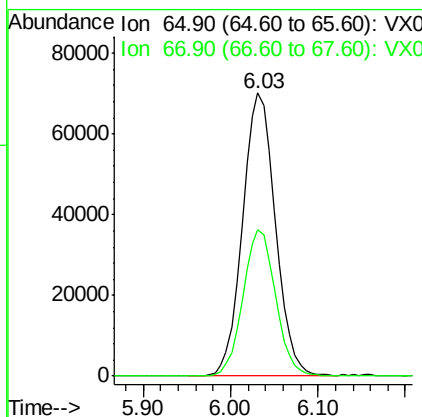
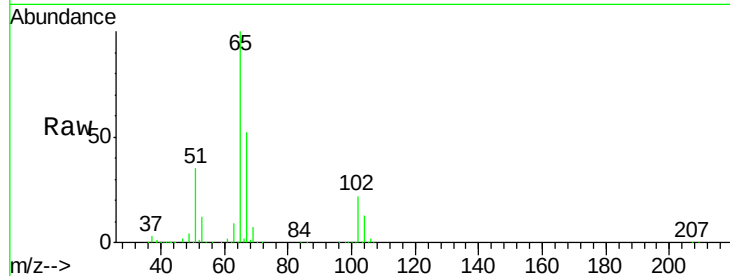
#33
 1,2-Dichloroethane-d4
 Concen: 49.511 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	101.6

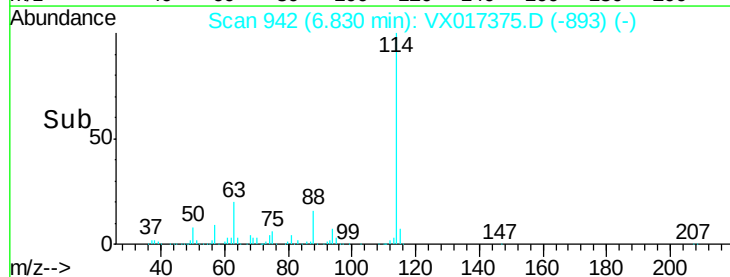
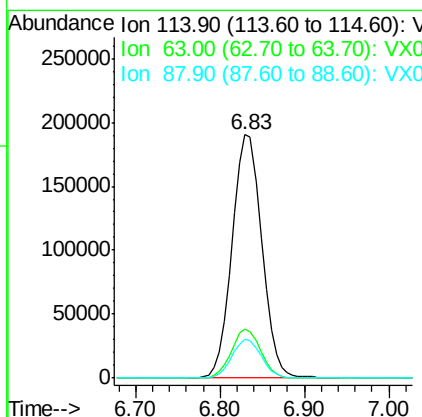
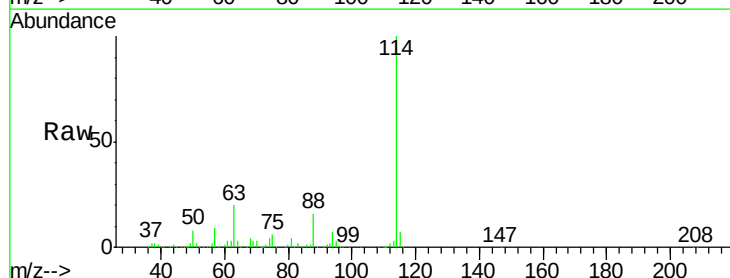
Manual Integrations
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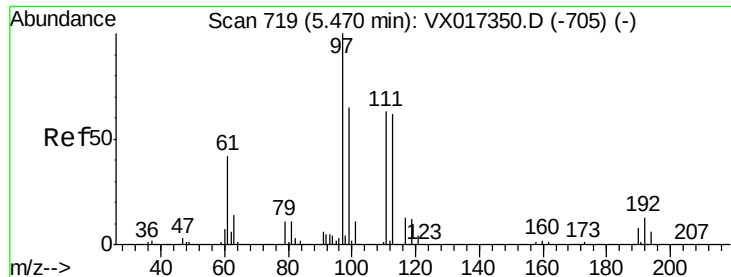
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 7/15/2020 11:43:26 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	40.0
88	16.2	0.0	32.8





#35

Dibromofluoromethane

Concen: 48.521 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

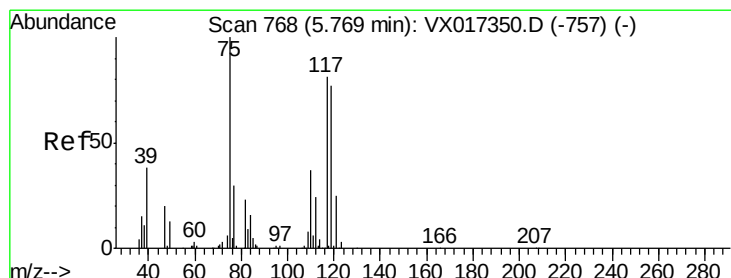
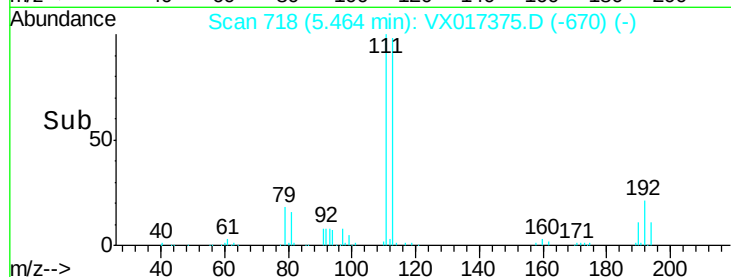
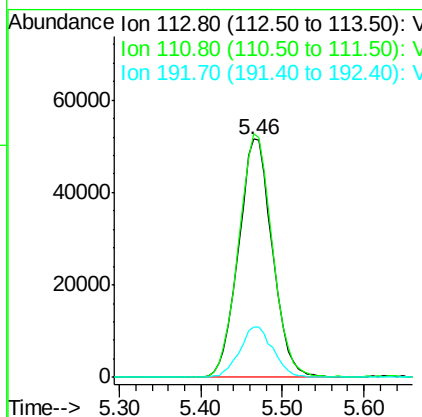
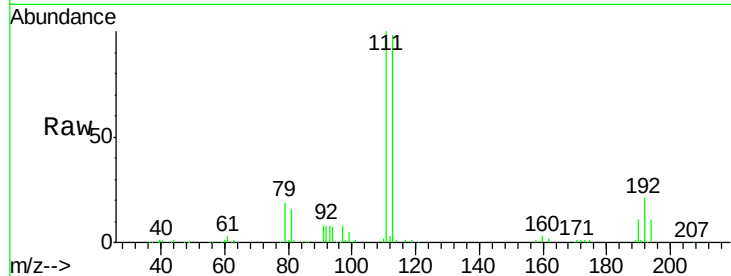
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	113	Resp:	148477
Ion Ratio	Lower	Upper	
113	100		
111	102.2	82.4	123.6
192	21.0	17.2	25.8

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 2.606 ug/l

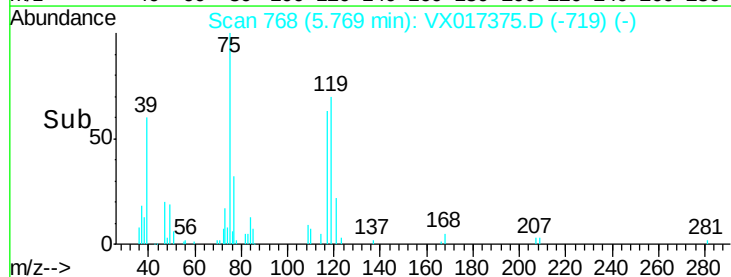
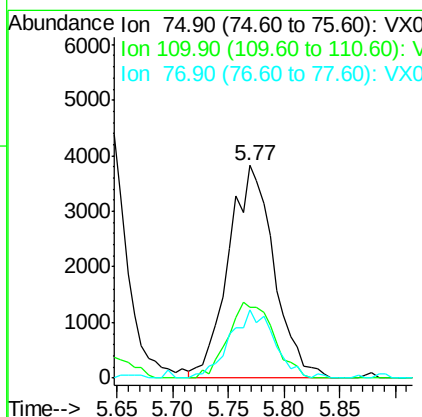
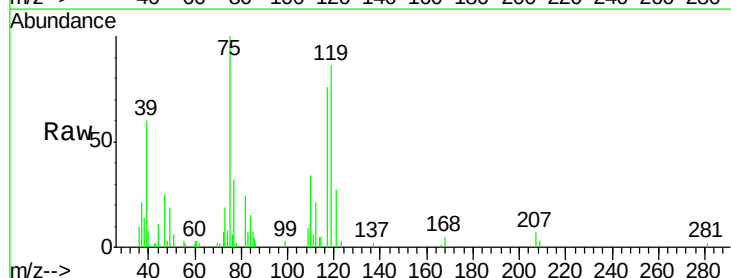
RT: 5.77 min Scan# 768

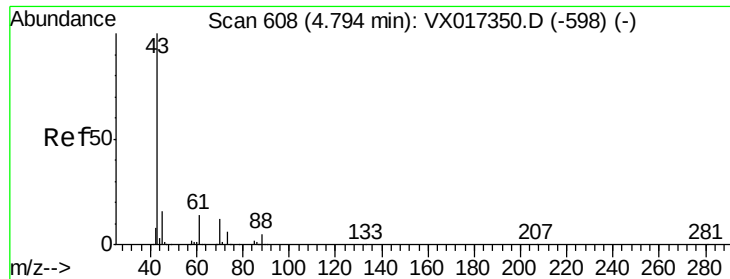
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion:	75	Resp:	10888
Ion Ratio	Lower	Upper	
75	100		
110	35.4	18.6	55.8
77	30.7	24.9	37.3





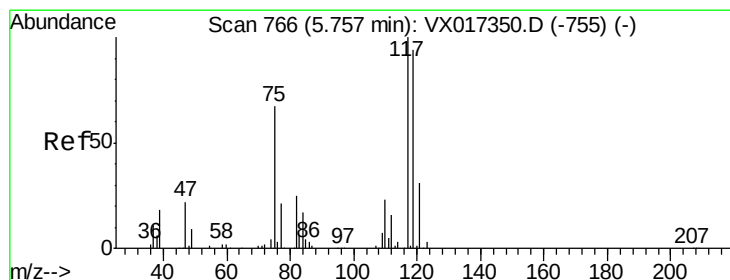
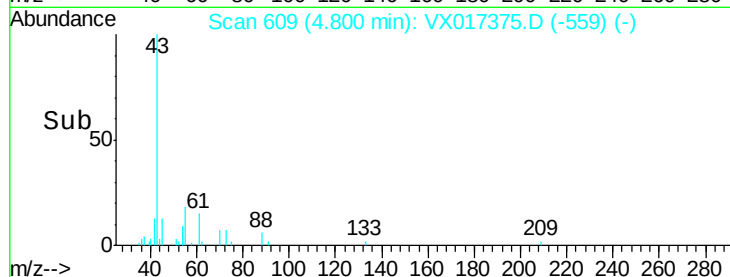
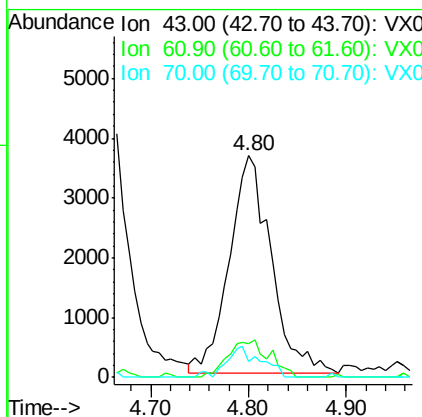
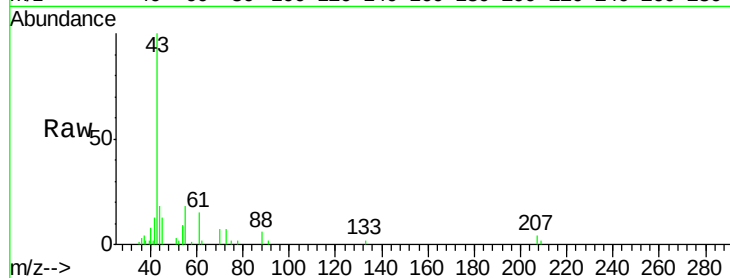
#37
Ethyl Acetate
Concen: 2.509 ug/l
RT: 4.80 min Scan# 609
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	16.8	10.7	16.1#
70	11.6	9.0	13.6

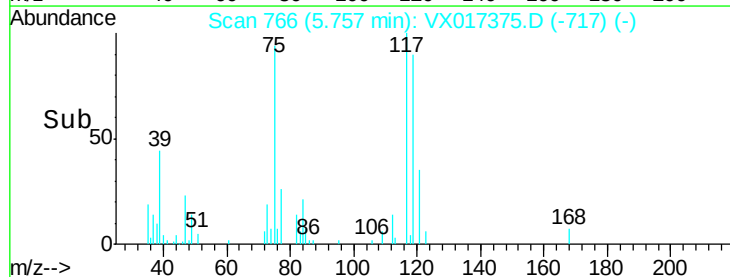
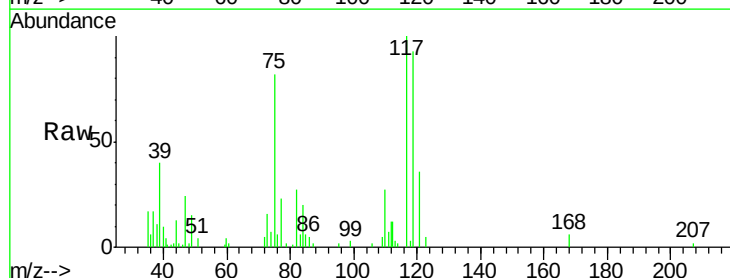
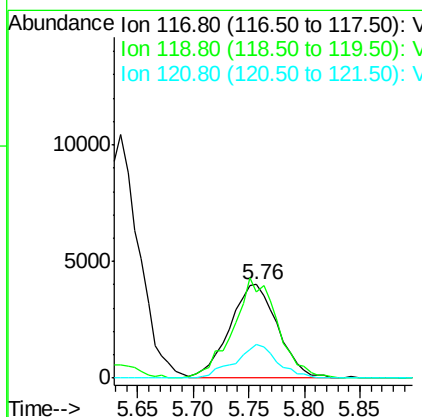
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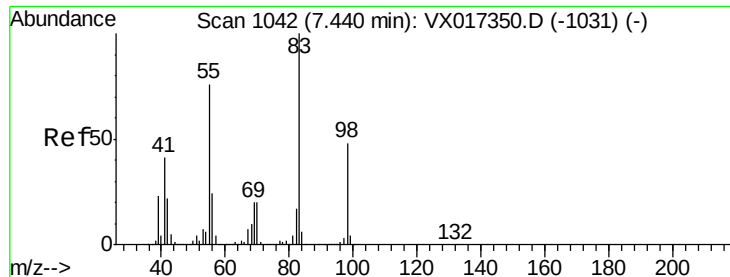
MMDadoda
7/15/2020 11:43:26 AM



#38
Carbon Tetrachloride
Concen: 2.453 ug/l
RT: 5.76 min Scan# 766
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
119	92.6	74.7	112.1
121	36.5	24.5	36.7





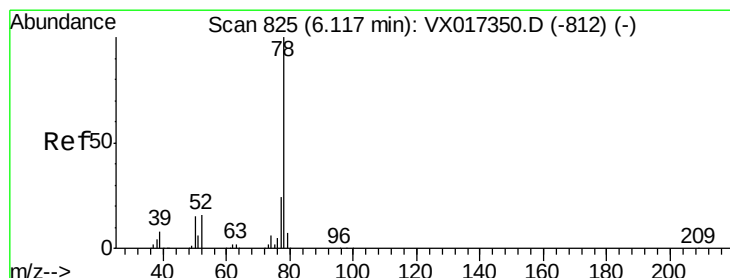
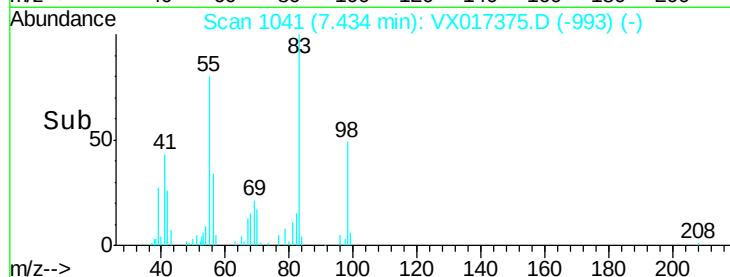
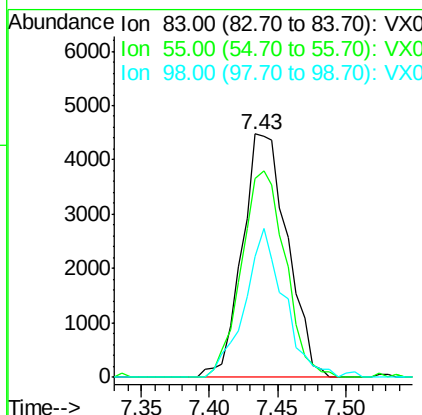
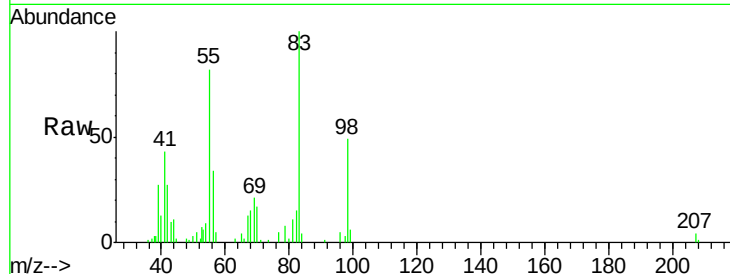
#39
Methylvlcyclohexane
Concen: 2.293 ug/l
RT: 7.43 min Scan# 1041
Delta R.T. -0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	81.6	61.2	91.8	
98	49.4	38.1	57.1	

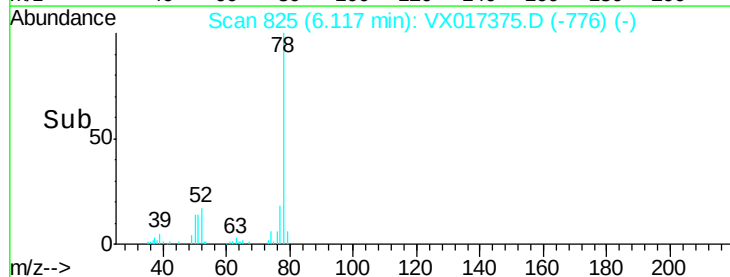
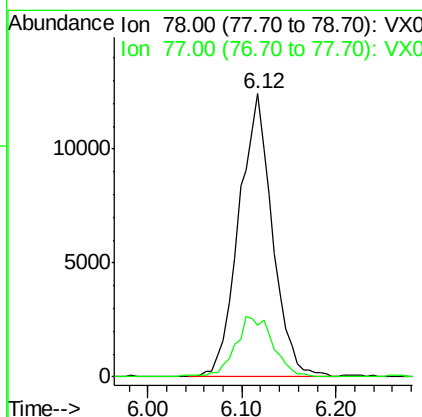
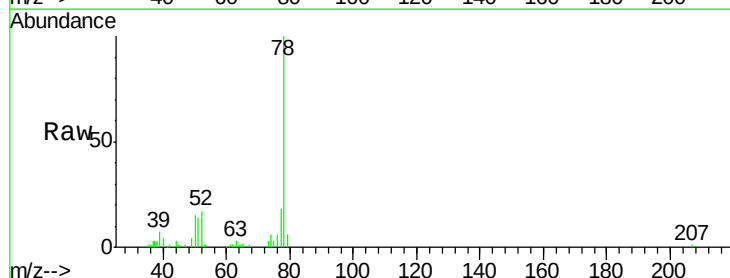
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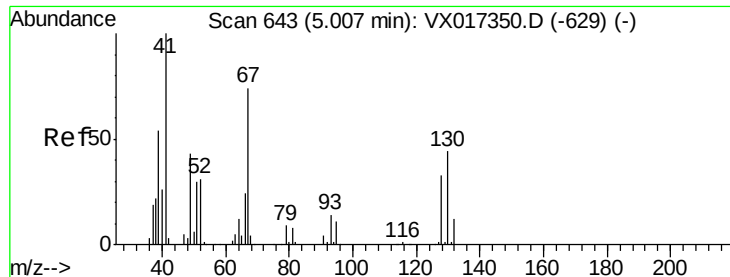
MMDadoda
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#40
Benzene
Concen: 2.576 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	18.4	18.9	28.3	





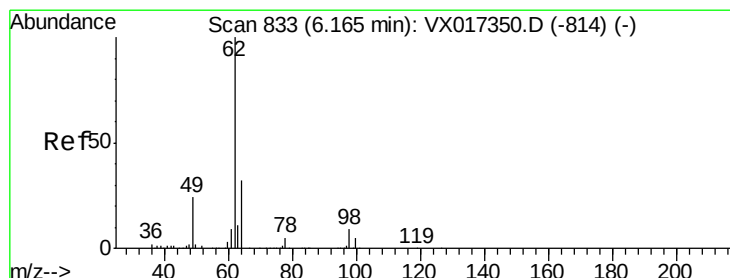
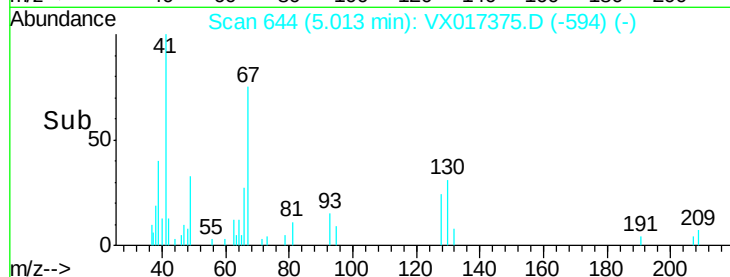
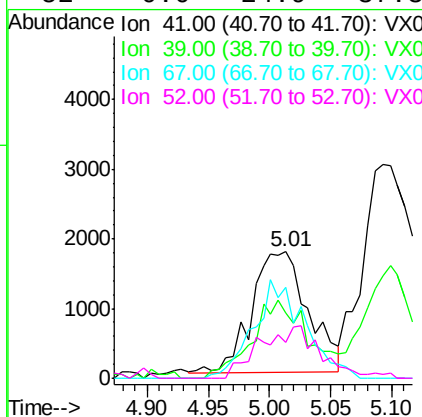
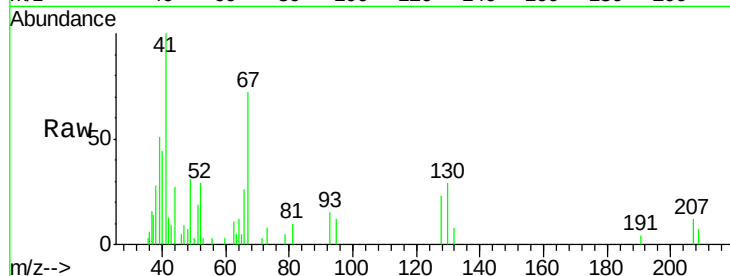
#41
Methacrylonitrile
Concen: 2.395 ug/l
RT: 5.01 min Scan# 644
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion:	41	Resp:	5557
Ion	Ratio	Lower	Upper
41	100		
39	65.6	43.8	65.8
67	74.2	58.7	88.1
52	0.0	24.9	37.3#

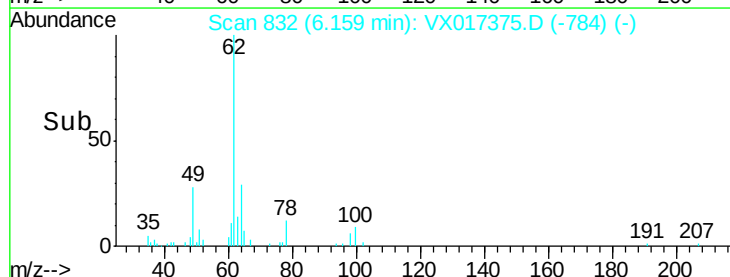
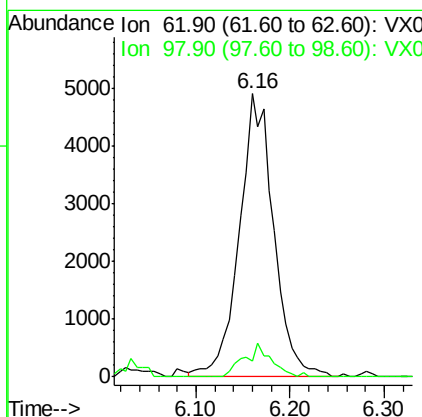
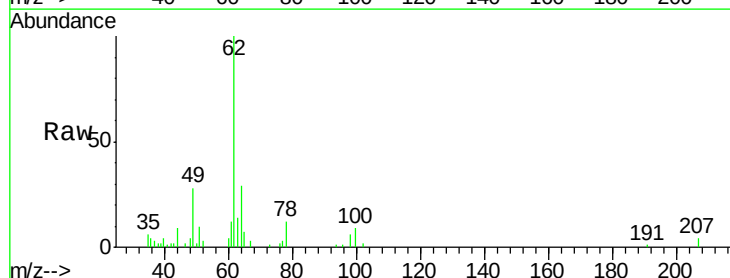
Manual Integrations
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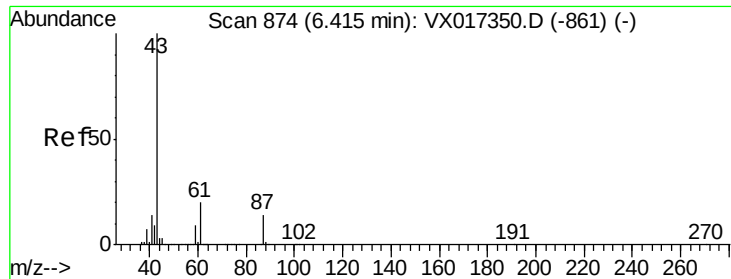
MMDadoda
7/15/2020 11:43:26 AM



#42
1,2-Dichloroethane
Concen: 2.685 ug/l
RT: 6.16 min Scan# 832
Delta R.T. -0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion:	62	Resp:	12529
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 2.441 ug/l

RT: 6.42 min Scan# 874

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

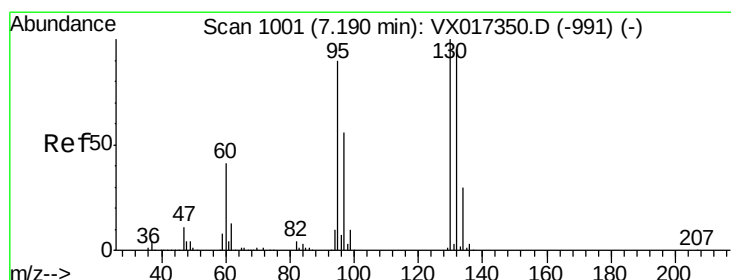
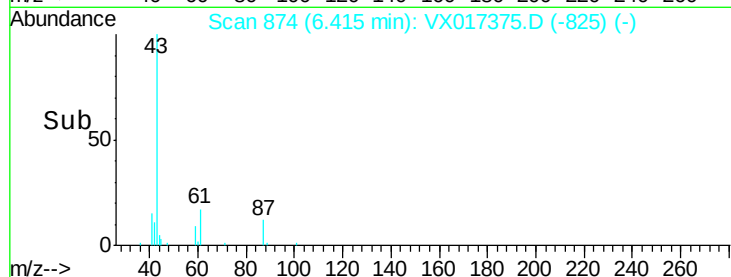
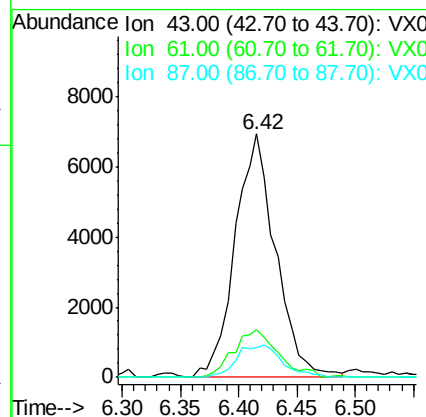
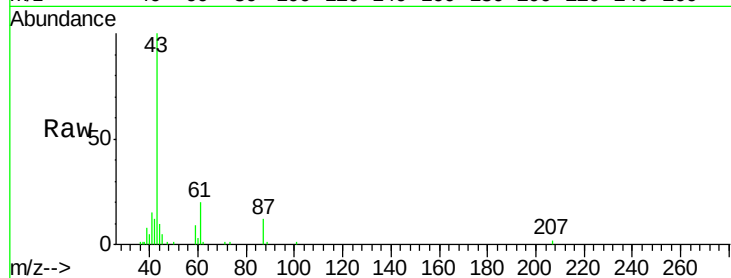
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	43	Resp:	16853
Ion	Ratio	Lower	Upper
43	100		
61	21.2	16.4	24.6
87	14.7	11.2	16.8

Manual Integrations
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MMDadoda
7/15/2020 11:43:26 AM



#44

Trichloroethene

Concen: 2.633 ug/l

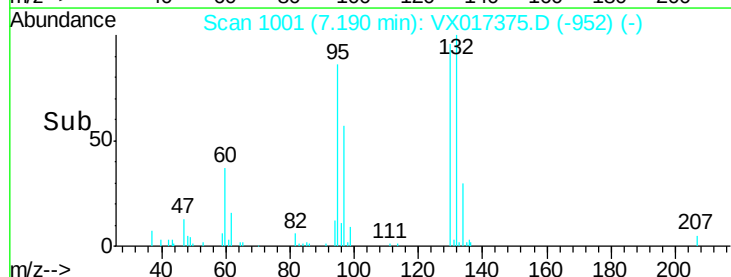
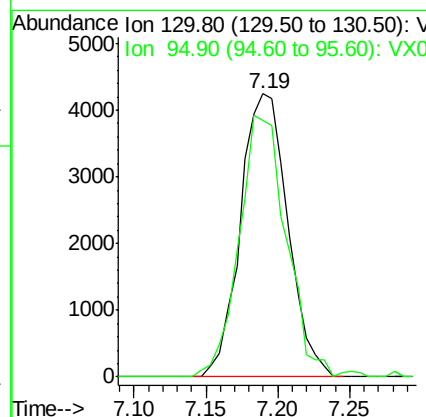
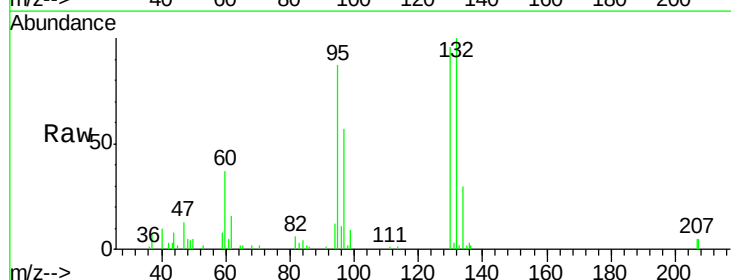
RT: 7.19 min Scan# 1001

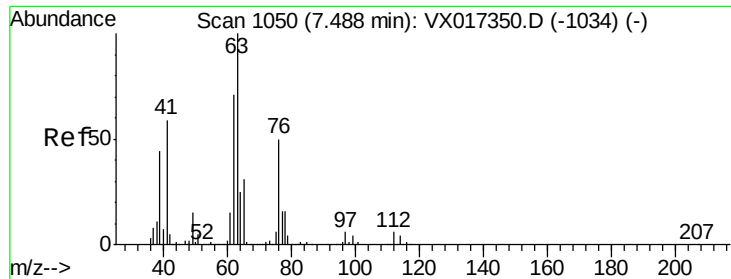
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion:	130	Resp:	9657
Ion	Ratio	Lower	Upper
130	100		
95	90.8	0.0	180.2





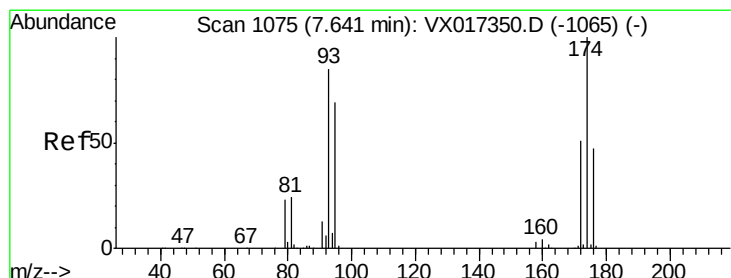
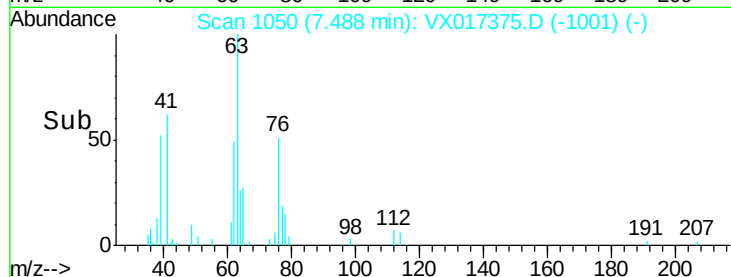
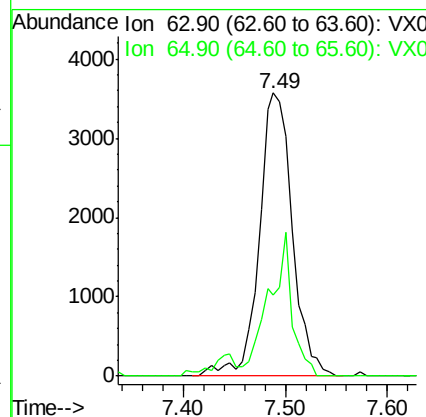
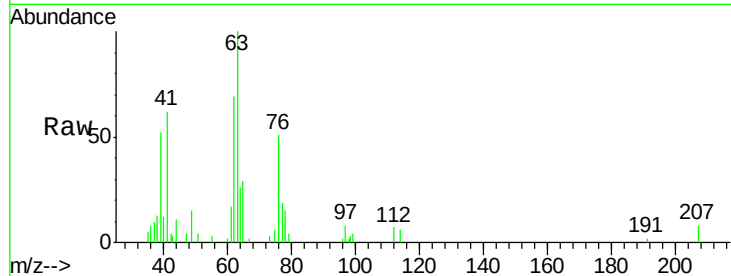
#45
 1,2-Dichloropropane
 Concen: 2.626 ug/l
 RT: 7.49 min Scan# 1050
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion: 63 Resp: 8068
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.5 36.7

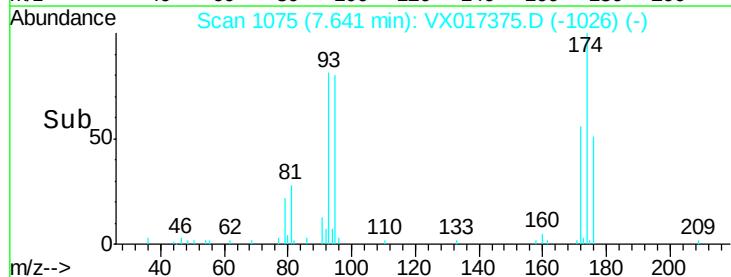
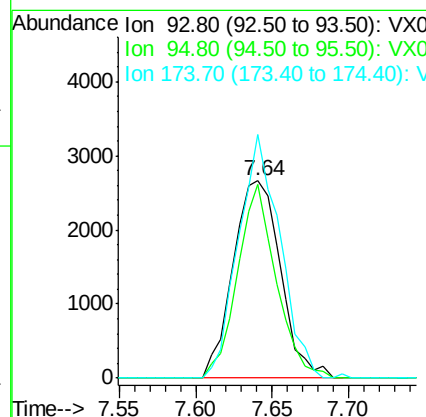
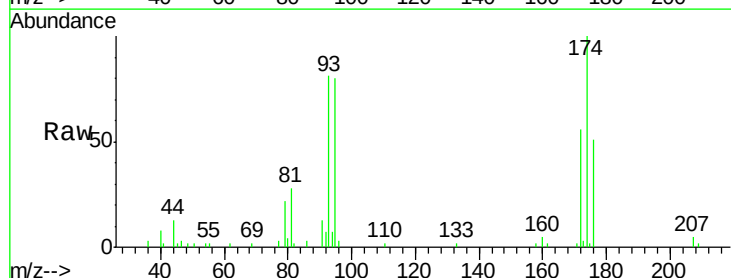
Manual Integrations
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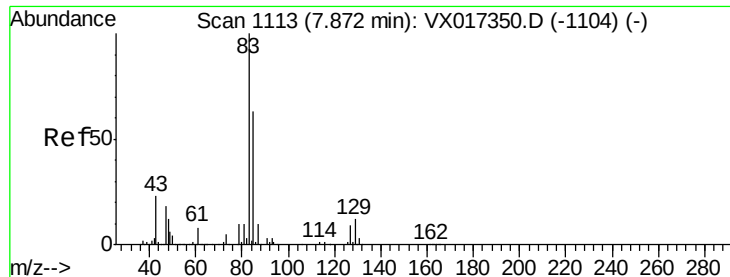
MMDadoda
 7/15/2020 11:43:26 AM



#46
 Dibromomethane
 Concen: 2.587 ug/l
 RT: 7.64 min Scan# 1075
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion: 93 Resp: 5734
 Ion Ratio Lower Upper
 93 100
 95 79.9 65.4 98.2
 174 108.3 91.2 136.8





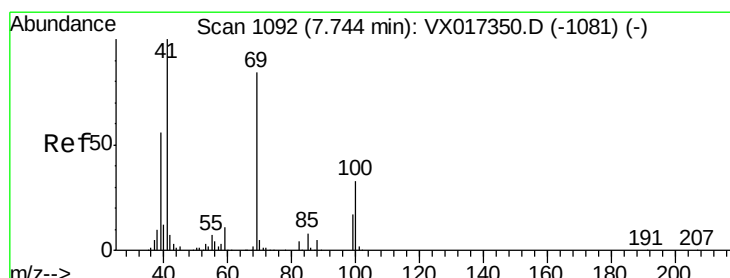
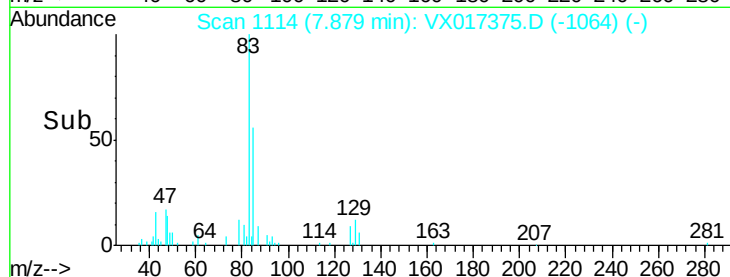
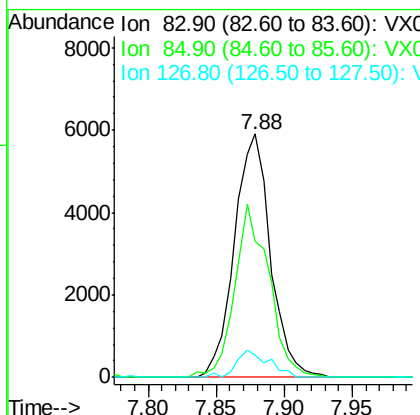
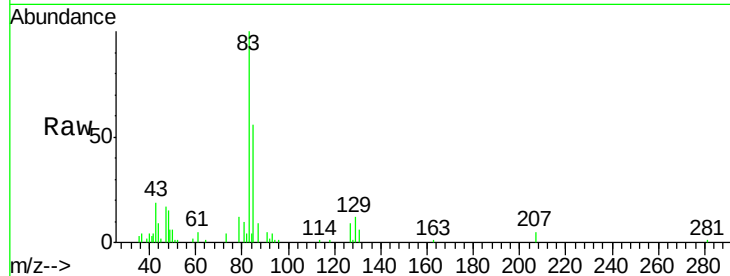
#47
Bromodichloromethane
Concen: 2.363 ug/l
RT: 7.88 min Scan# 1114
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	83	Resp	10947
Ion Ratio	100	Lower	Upper
83	100		
85	55.8	50.2	75.4
127	9.3	7.1	10.7

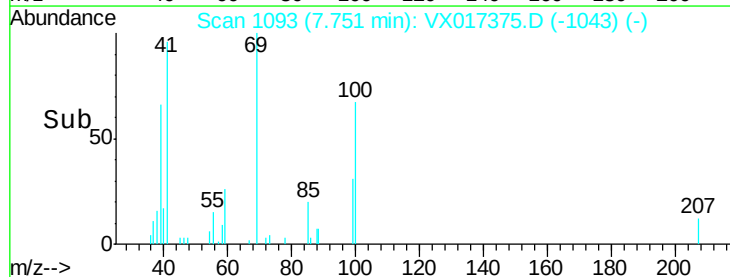
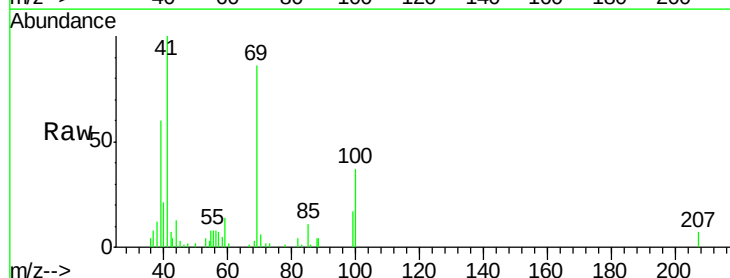
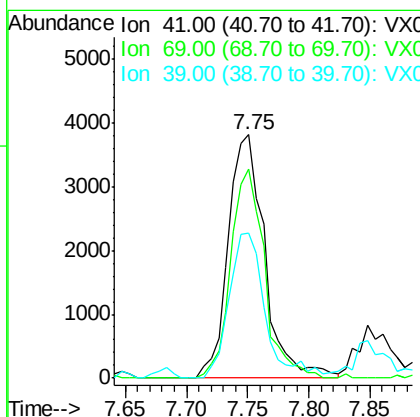
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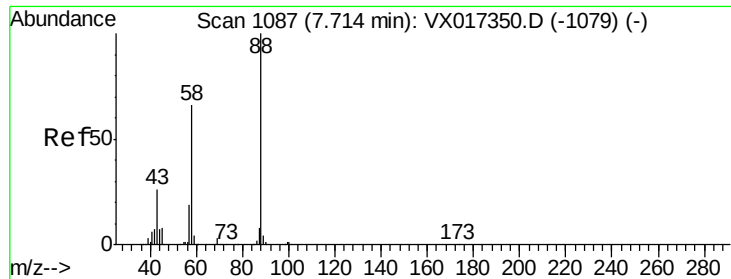
MMDadoda
7/15/2020 11:43:26 AM



#48
Methyl methacrylate
Concen: 2.380 ug/l
RT: 7.75 min Scan# 1093
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	41	Resp	7887
Ion Ratio	100	Lower	Upper
41	100		
69	79.2	67.8	101.6
39	58.6	45.1	67.7





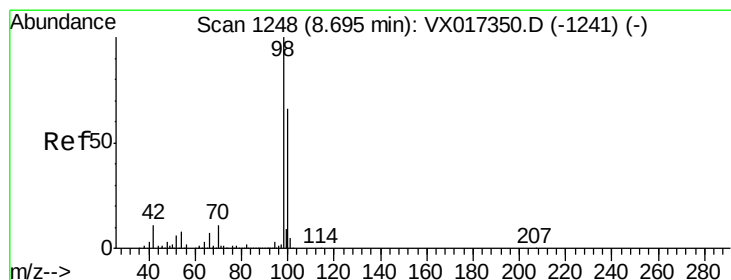
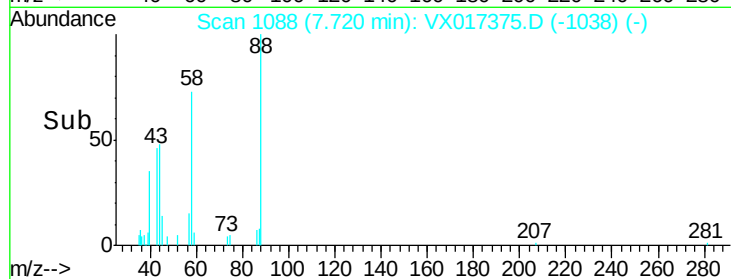
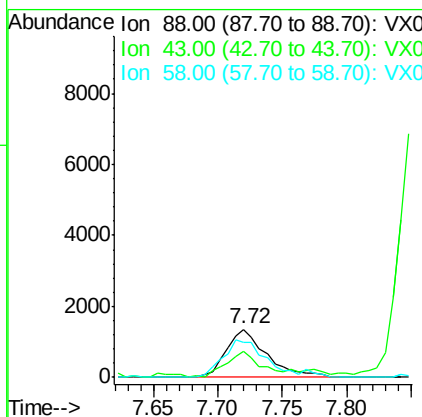
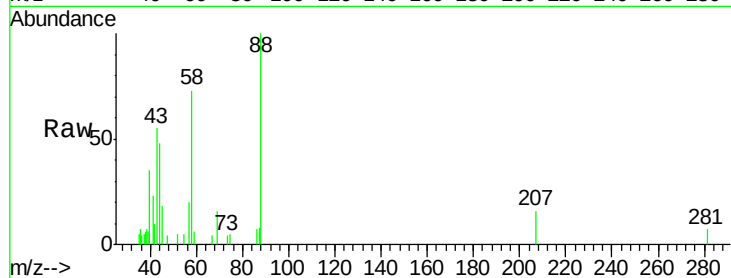
#49
1,4-Dioxane
Concen: 43.239 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	47.3	25.6	38.4#
58	80.9	53.9	80.9#

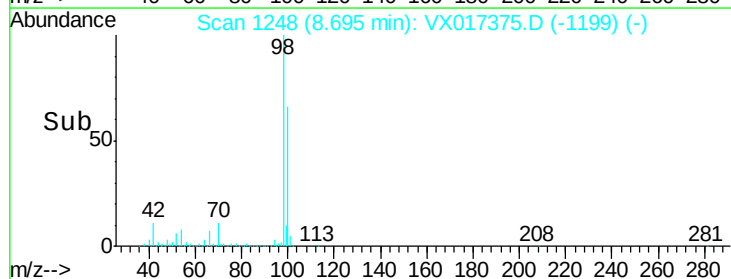
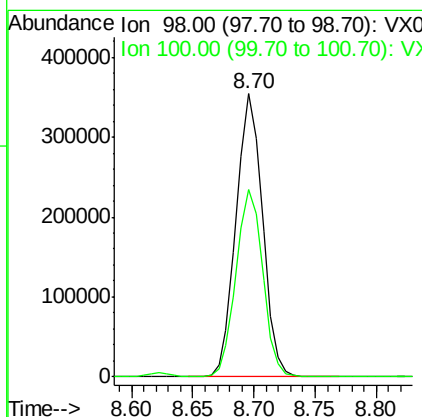
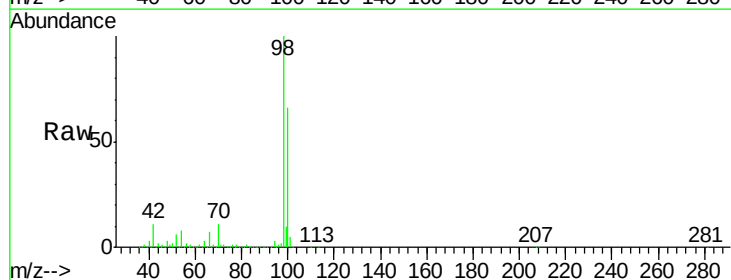
Manual Integrations
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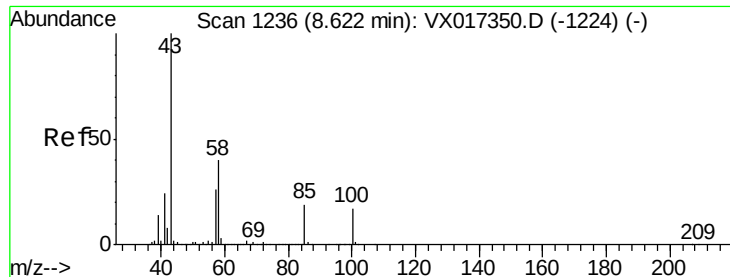
MMDadoda
7/15/2020 11:43:26 AM



#50
Toluene-d8
Concen: 48.169 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.2





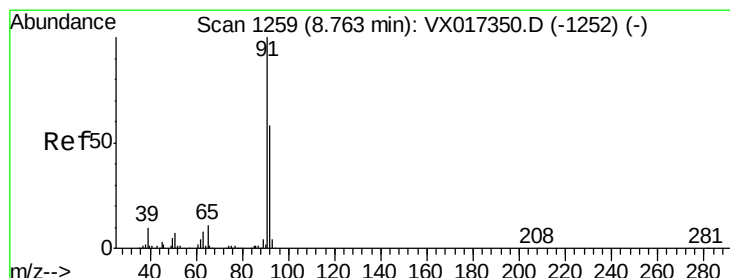
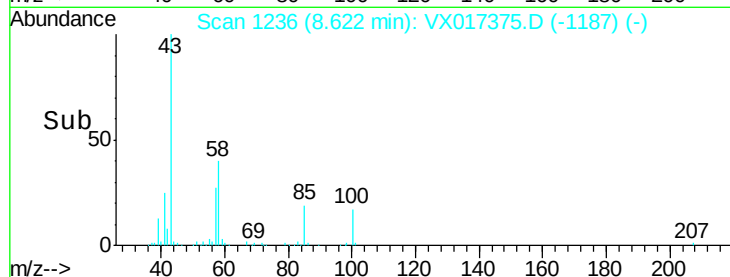
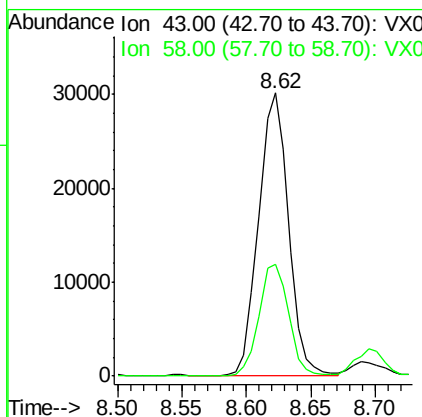
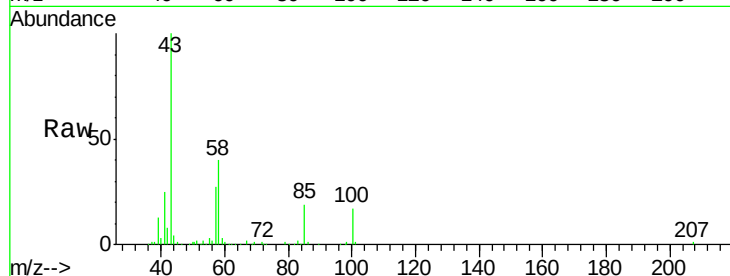
#51
4-Methyl-2-Pentanone
Concen: 11.562 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	39.4	32.2	48.2

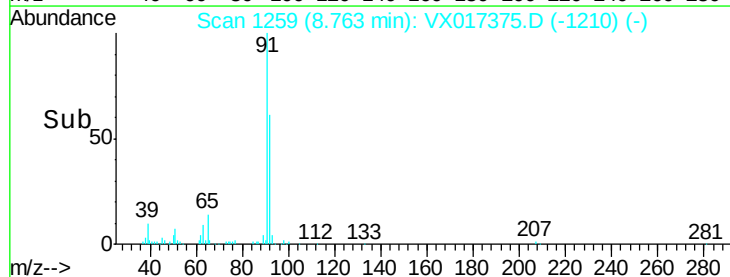
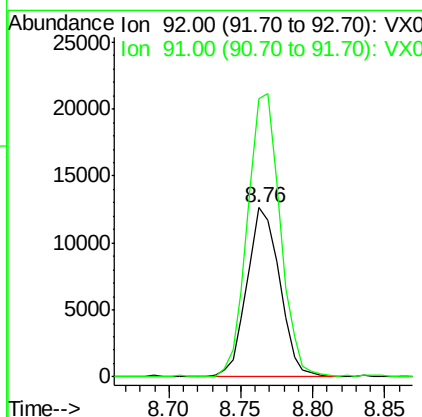
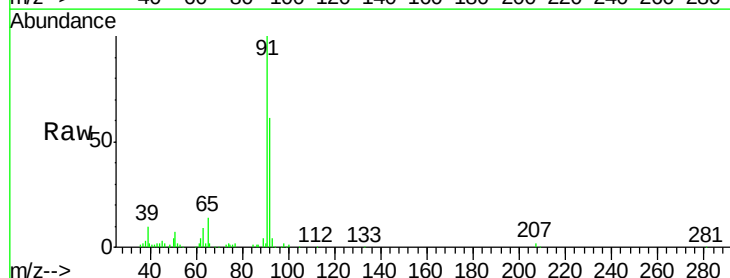
Manual Integrations
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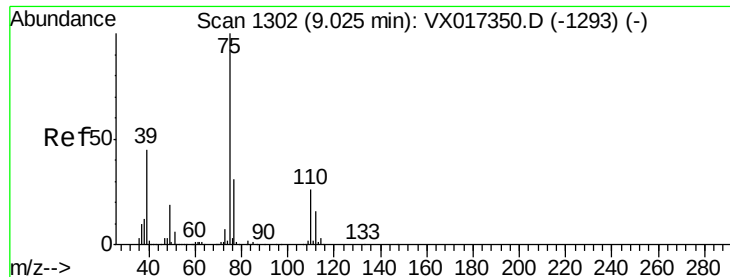
MMDadoda
7/15/2020 11:43:26 AM



#52
Toluene
Concen: 2.585 ug/l
RT: 8.76 min Scan# 1259
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.0	136.7	205.1





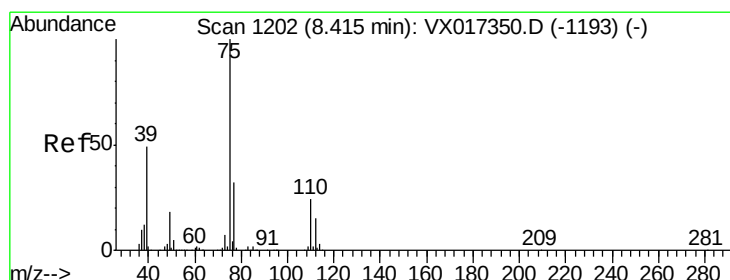
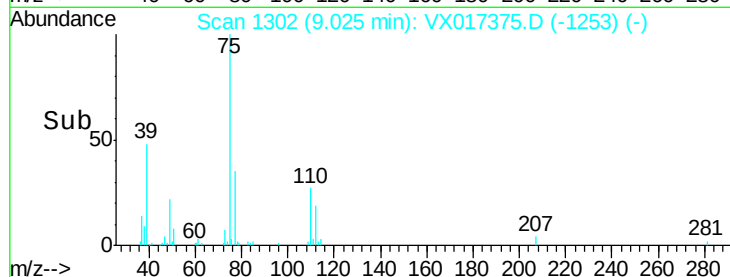
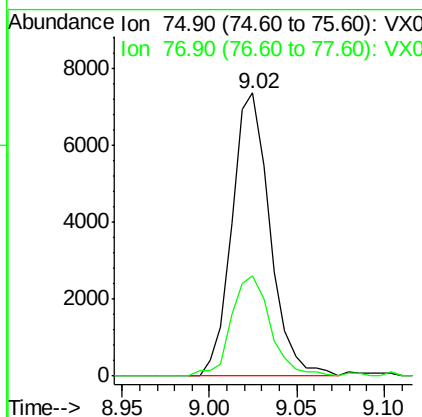
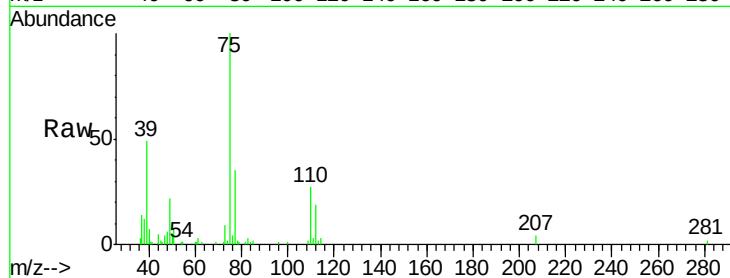
#53
 t-1,3-Dichloropropene
 Concen: 2.233 ug/l
 RT: 9.02 min Scan# 1302
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
75	100		
77	35.3	25.0	37.6

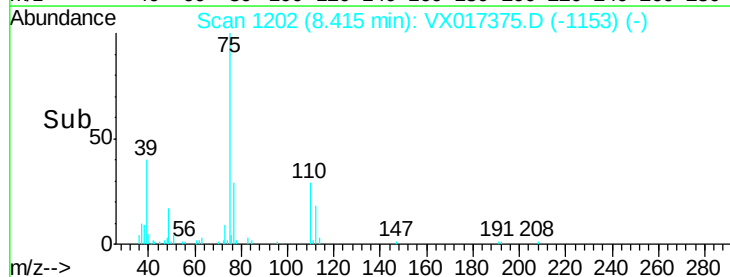
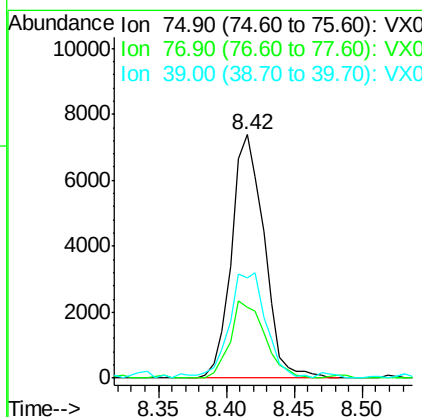
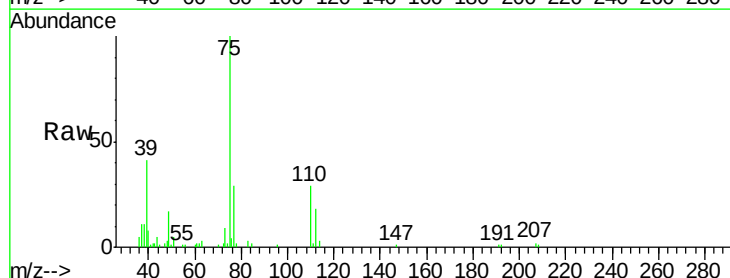
Manual Integrations
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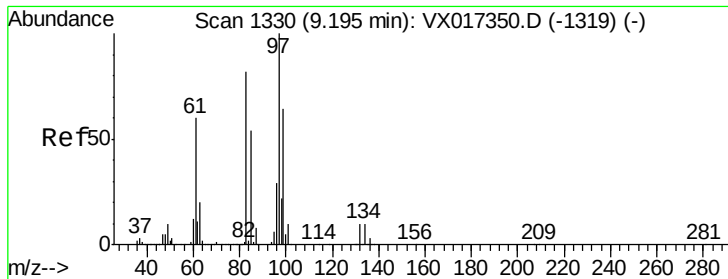
MMDadoda
 7/15/2020 11:43:26 AM



#54
 cis-1,3-Dichloropropene
 Concen: 2.317 ug/l
 RT: 8.42 min Scan# 1202
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	28.8	25.3	37.9
39	40.4	38.9	58.3





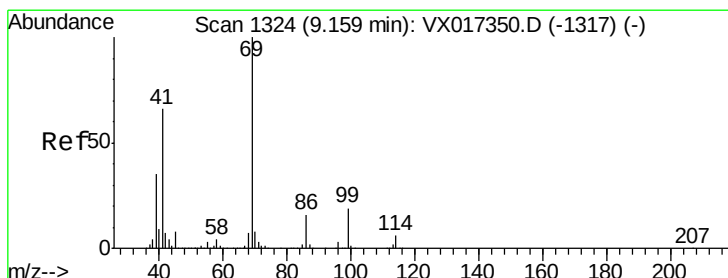
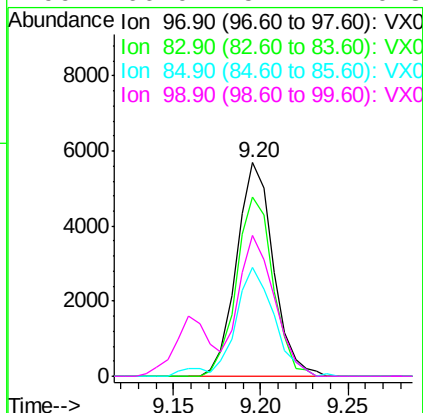
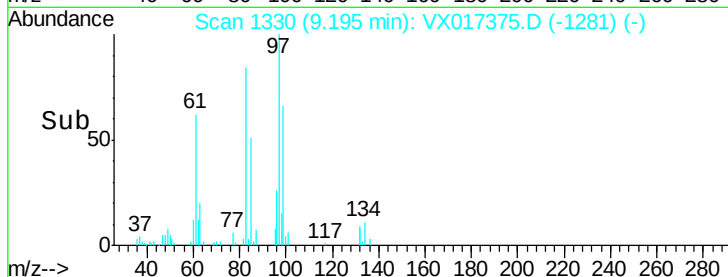
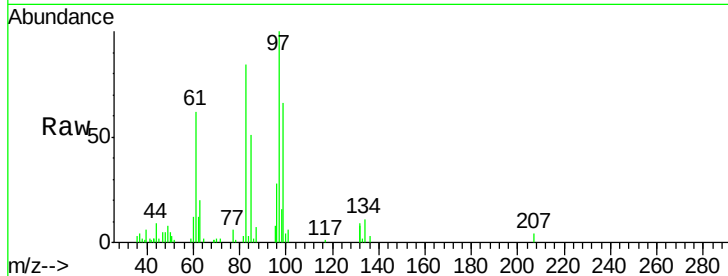
#55
 1,1,2-Trichloroethane
 Concen: 2.589 ug/l
 RT: 9.20 min Scan# 1330
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion:	97	Resp:	8319
Ion	Ratio	Lower	Upper
97	100		
83	84.0	65.8	98.6
85	51.2	42.8	64.2
99	66.0	51.2	76.8

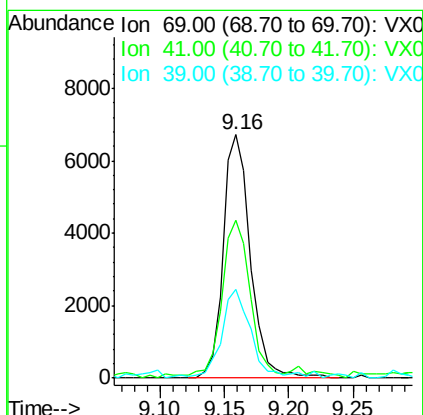
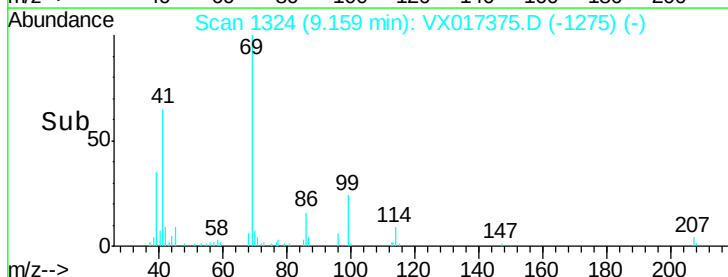
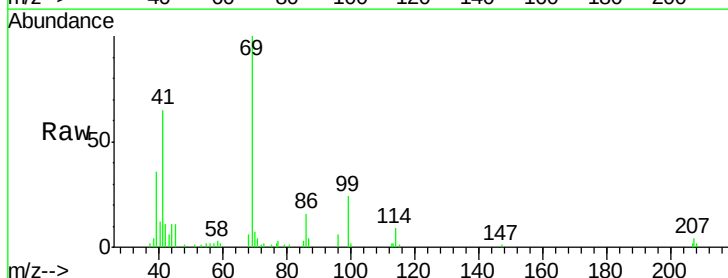
Manual Integrations
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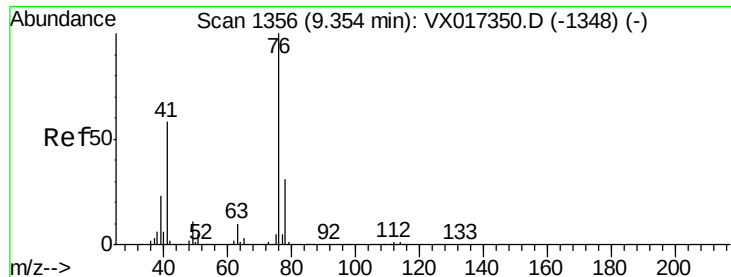
MMDadoda
 7/15/2020 11:43:26 AM



#56
 Ethyl methacrylate
 Concen: 2.185 ug/l
 RT: 9.16 min Scan# 1324
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion:	69	Resp:	9969
Ion	Ratio	Lower	Upper
69	100		
41	69.2	52.6	78.8
39	36.6	28.8	43.2





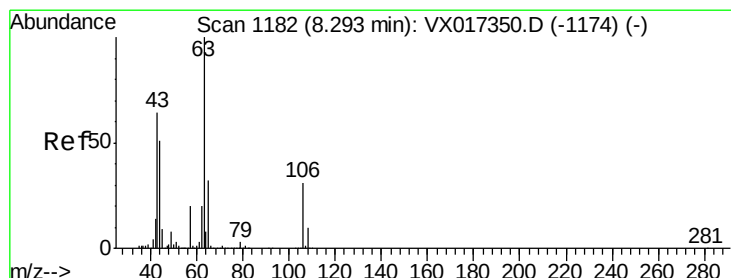
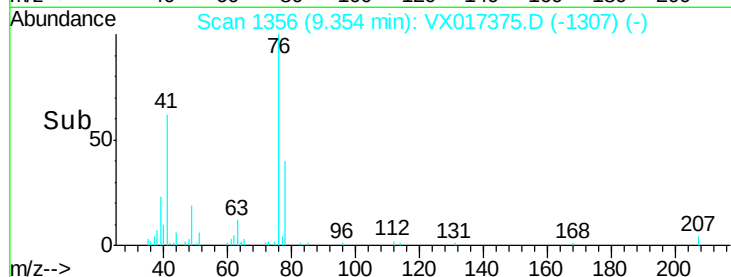
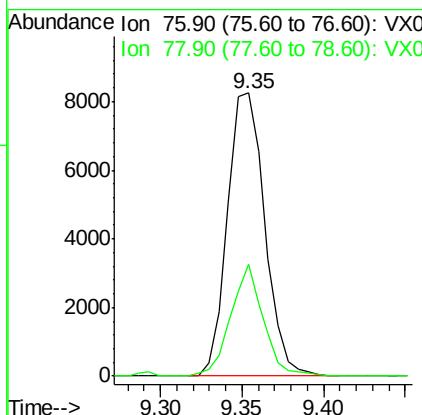
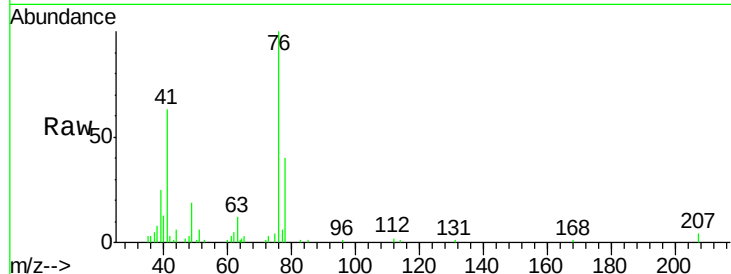
#57
 1,3-Dichloropropane
 Concen: 2.459 ug/l
 RT: 9.35 min Scan# 1356
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	34.7	25.8	38.6

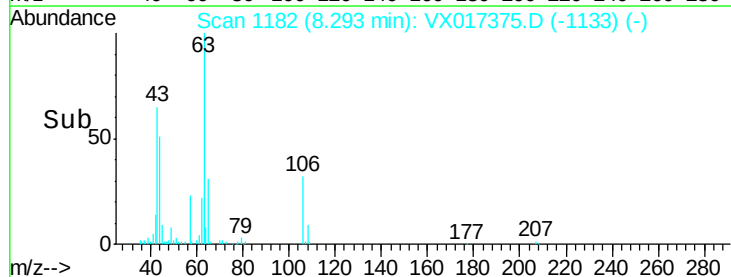
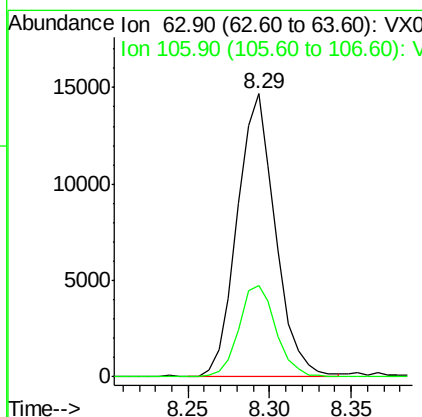
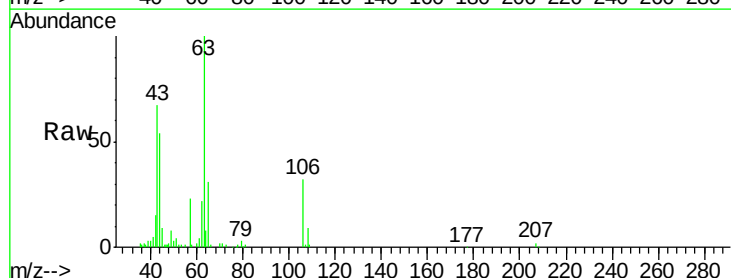
Manual Integrations
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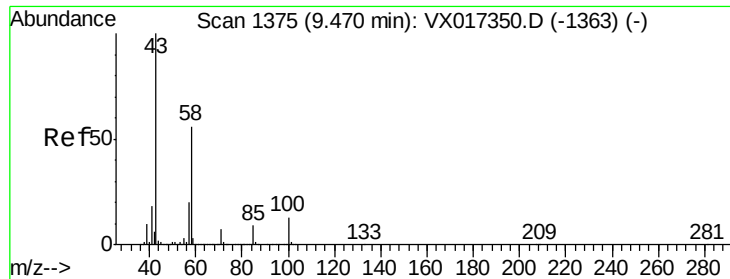
MMDadoda
 7/15/2020 11:43:26 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 10.338 ug/l
 RT: 8.29 min Scan# 1182
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
63	100		
106	31.3	24.8	37.2





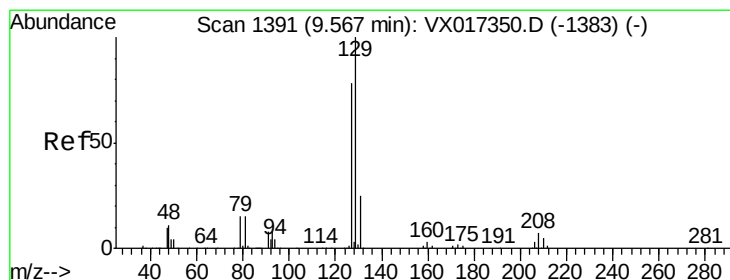
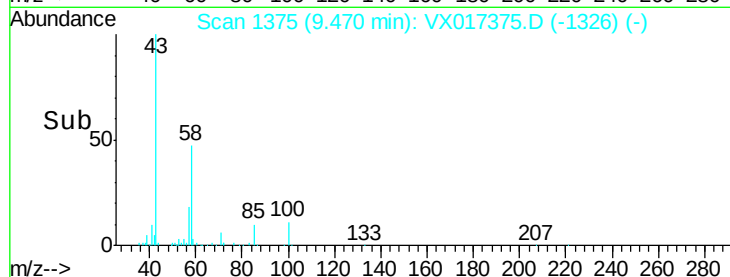
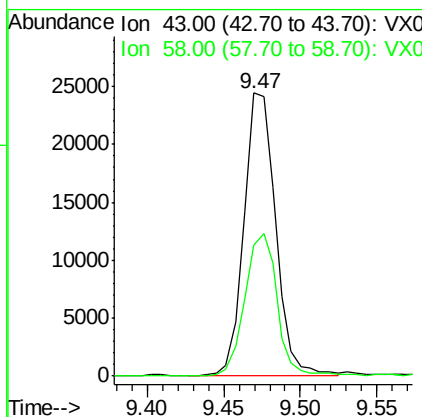
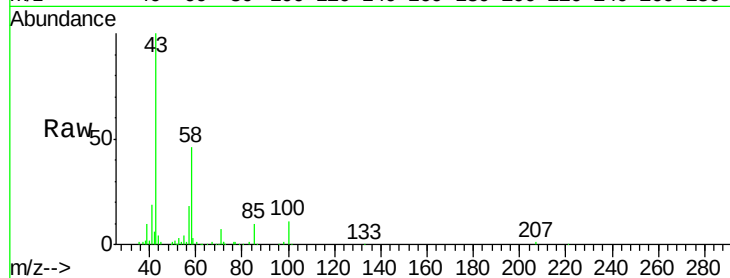
#59
2-Hexanone
Concen: 11.136 ug/l
RT: 9.47 min Scan# 1375
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	51.4	28.1	84.3

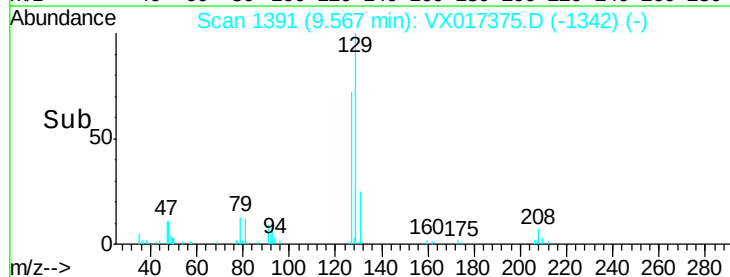
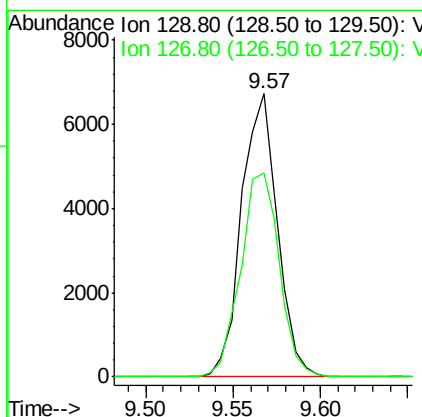
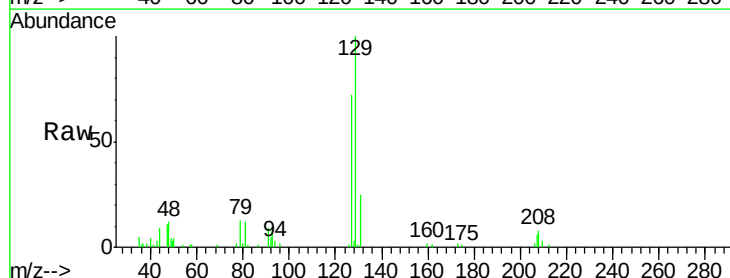
Manual Integrations
APPROVED

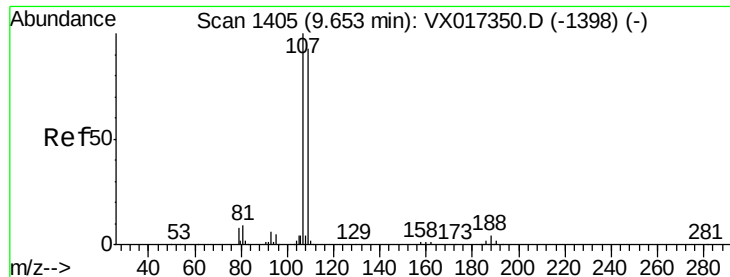
MMDadoda
7/15/2020 11:43:26 AM



#60
Dibromochloromethane
Concen: 2.443 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.9	116.6





#61

1,2-Dibromoethane

Concen: 2.318 ug/l

RT: 9.65 min Scan# 1405

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:107 Resp: 8102

Ion Ratio Lower Upper

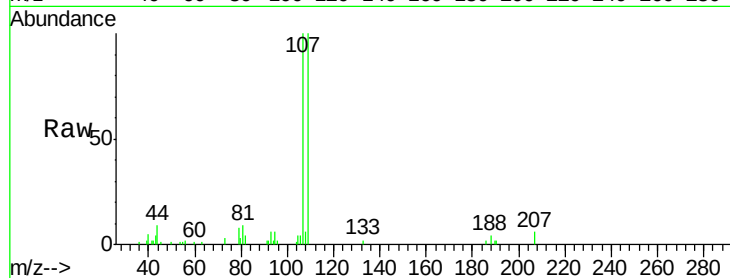
107 100

109 101.7 75.0 112.4

Manual Integrations
APPROVED

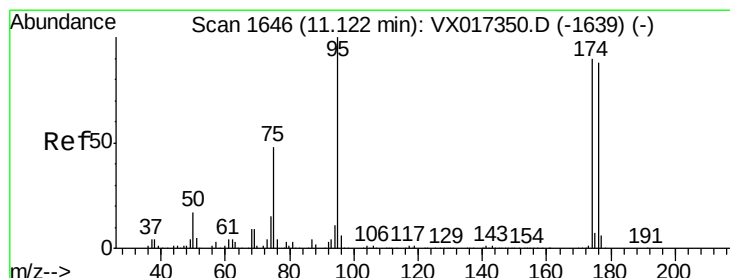
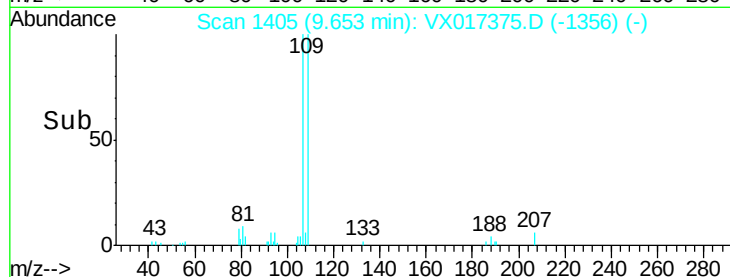
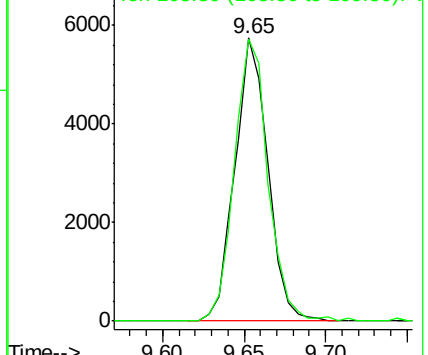
MMDadoda

7/15/2020 11:43:26 AM



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.590 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

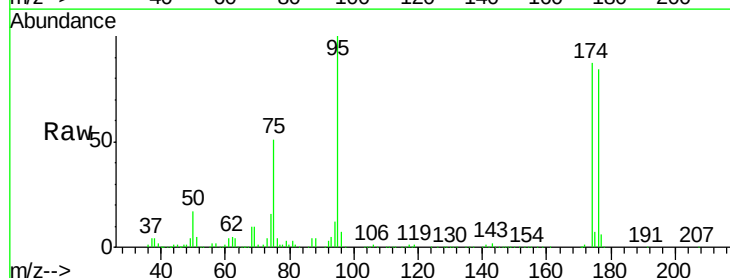
Tgt Ion: 95 Resp: 195507

Ion Ratio Lower Upper

95 100

174 84.2 0.0 175.8

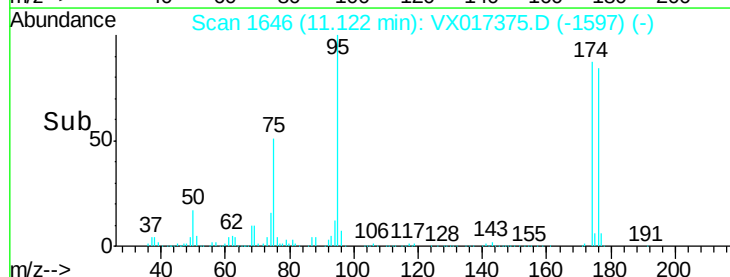
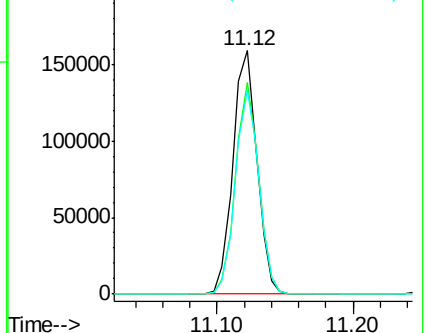
176 82.3 0.0 164.6

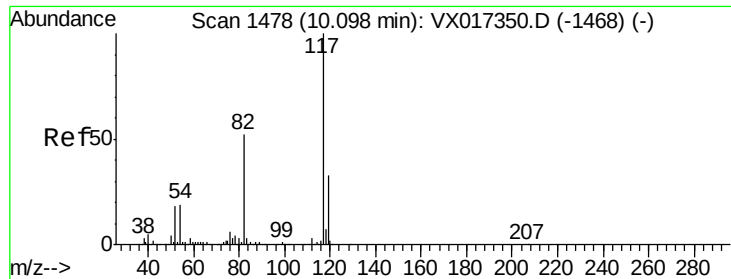


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





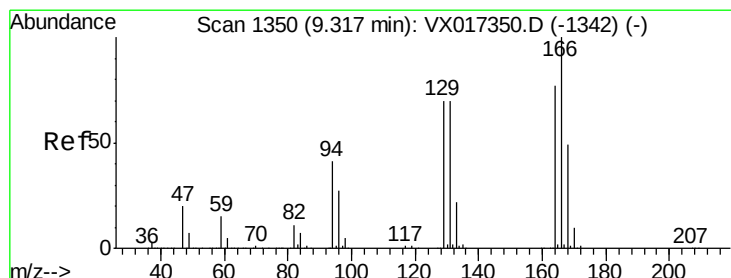
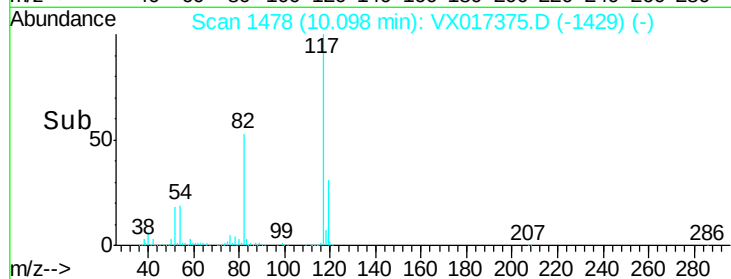
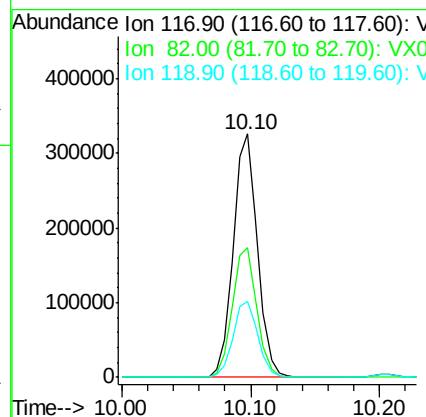
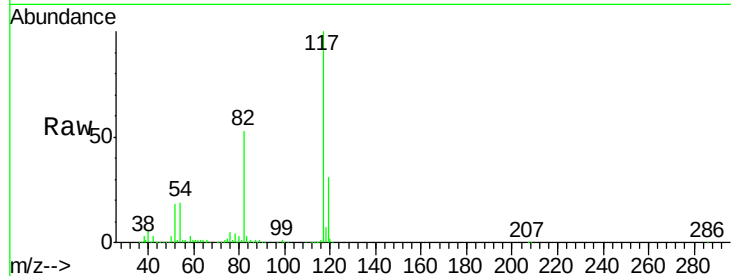
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	428571		
82	53.5		42.0	63.0
119	31.3		26.3	39.5

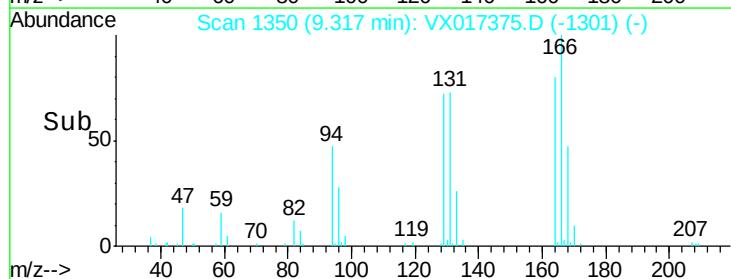
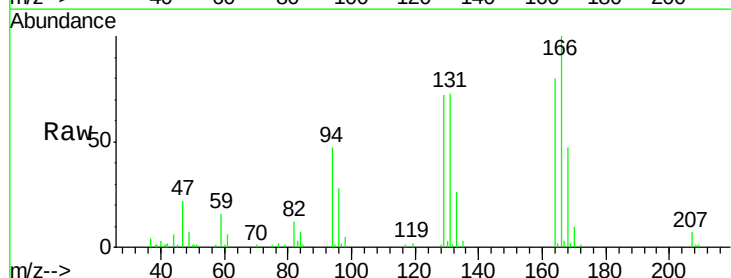
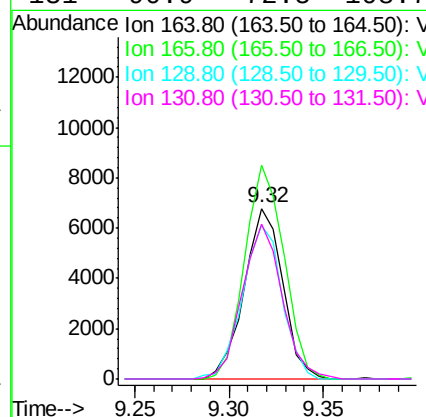
Manual Integrations
APPROVED

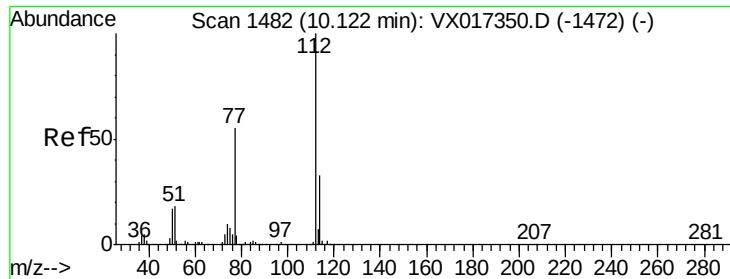
MMDadoda
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#64
Tetrachloroethene
Concen: 2.599 ug/l
RT: 9.32 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	9641		
166	125.3		103.9	155.9
129	89.9		72.9	109.3
131	90.9		72.5	108.7





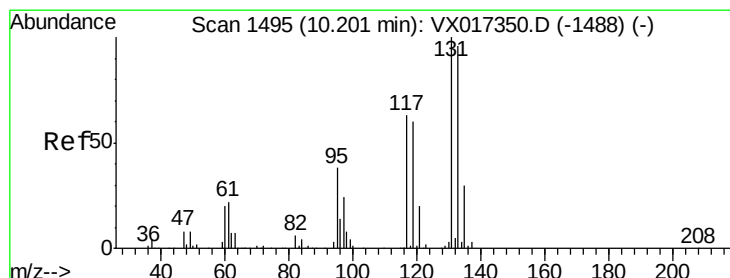
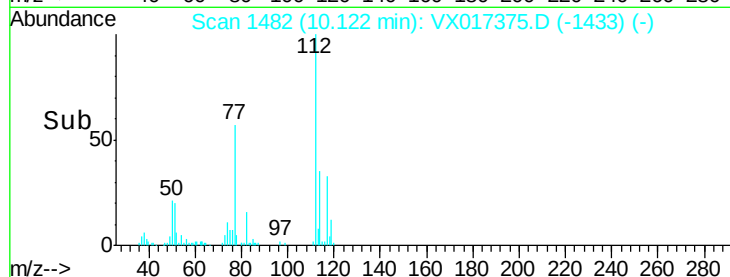
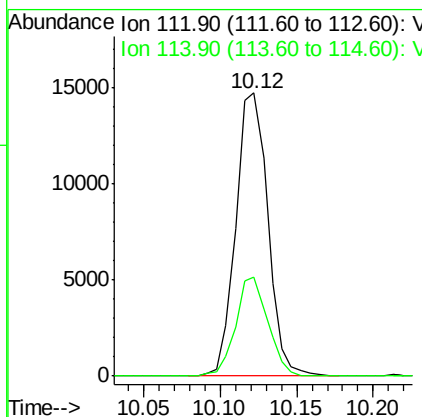
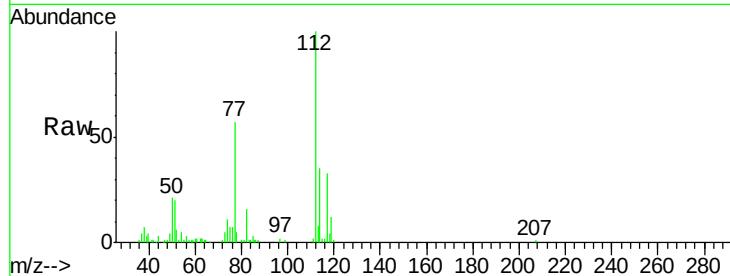
#65
Chlorobenzene
Concen: 2.460 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion:112 Resp: 21422
Ion Ratio Lower Upper
112 100
114 34.9 26.0 39.0

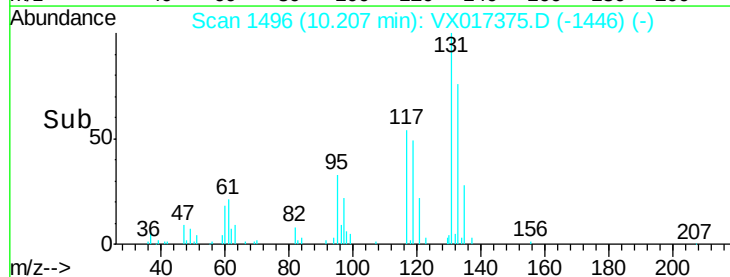
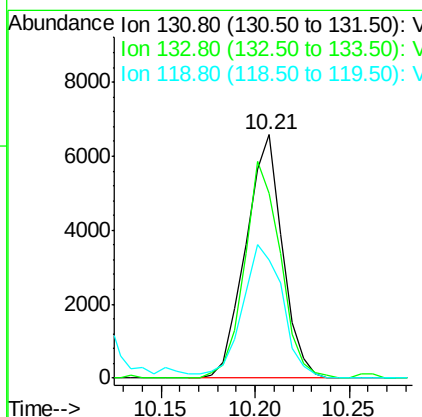
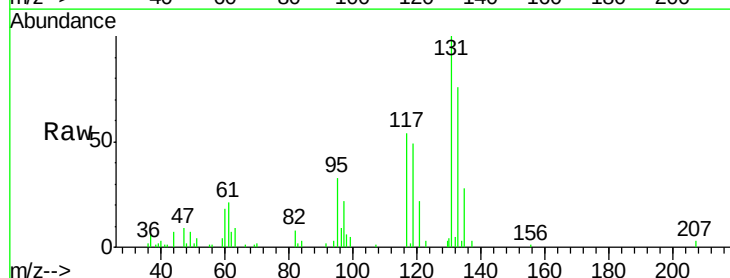
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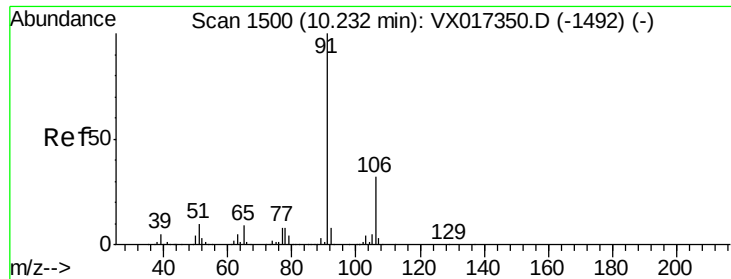
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#66
1,1,1,2-Tetrachloroethane
Concen: 2.557 ug/l
RT: 10.21 min Scan# 1496
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion:131 Resp: 8868
Ion Ratio Lower Upper
131 100
133 87.3 48.4 145.2
119 60.6 31.2 93.6





#67

Ethyl Benzene

Concen: 2.329 ug/l

RT: 10.23 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 33766

Ion Ratio Lower Upper

91 100

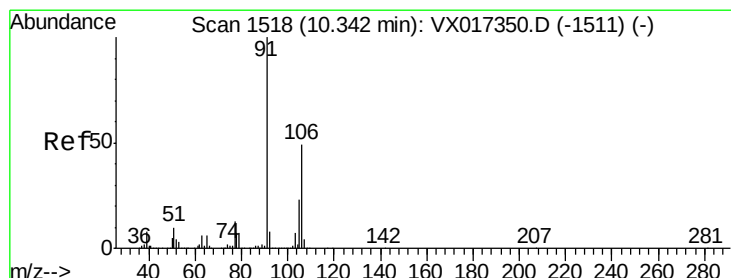
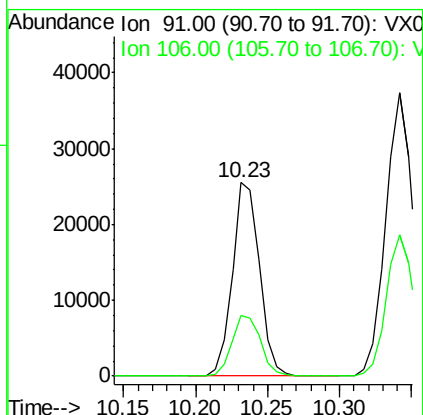
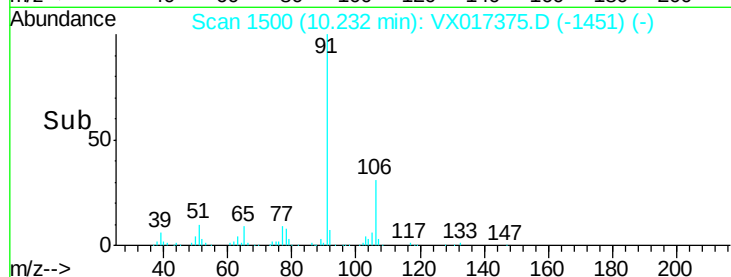
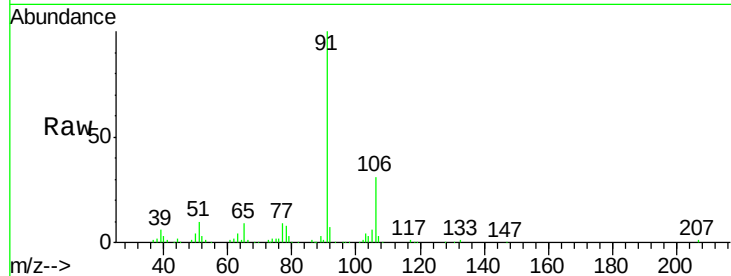
106 31.3 25.7 38.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 4.499 ug/l

RT: 10.34 min Scan# 1518

Delta R.T. 0.00 min

Lab File: VX017375.D

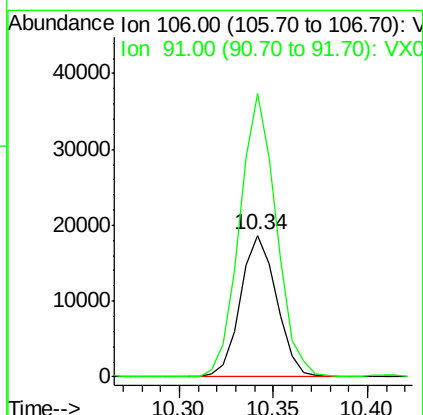
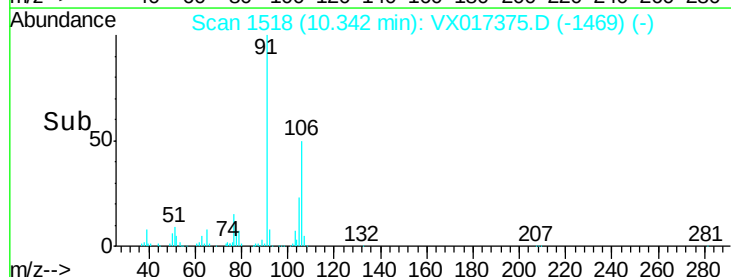
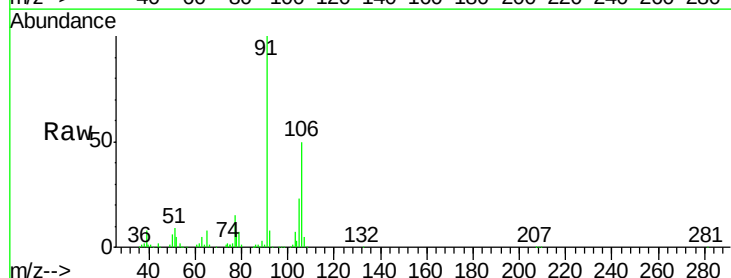
Acq: 14 Jul 2020 13:48

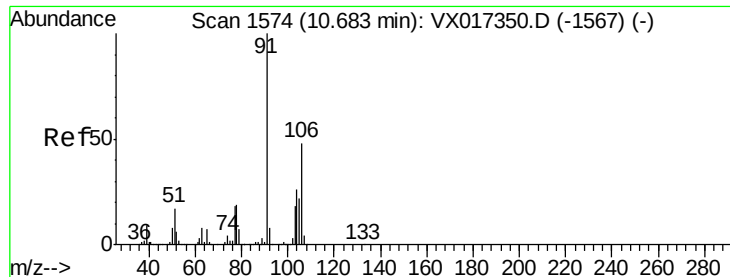
Tgt Ion: 106 Resp: 24818

Ion Ratio Lower Upper

106 100

91 202.7 162.5 243.7





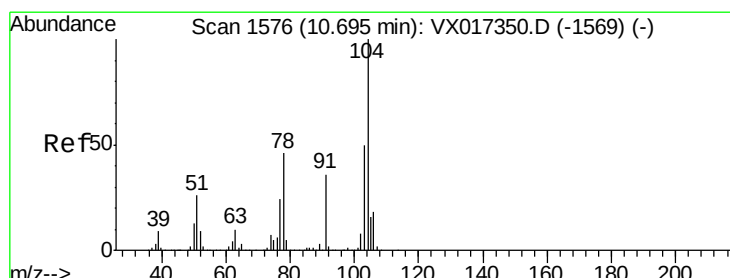
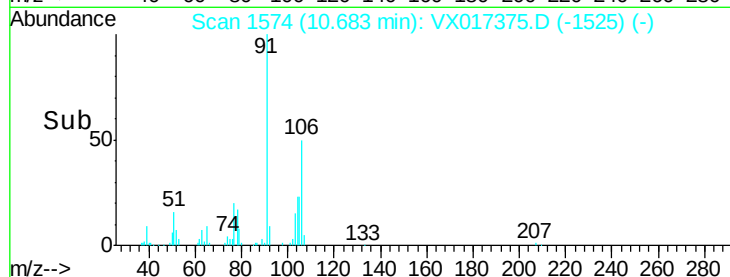
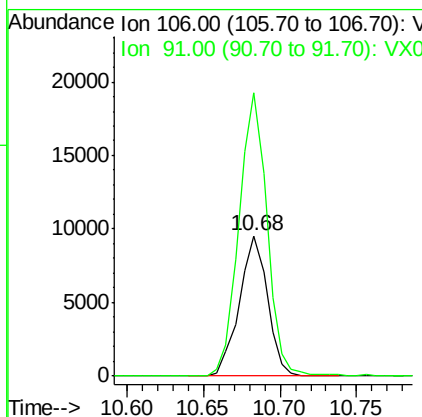
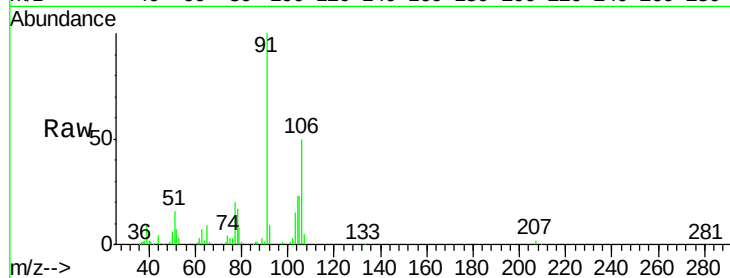
#69
o-Xylene
Concen: 2.311 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ion	Ratio	Lower	Upper
106	106	100		
91	91	201.7	106.1	318.1

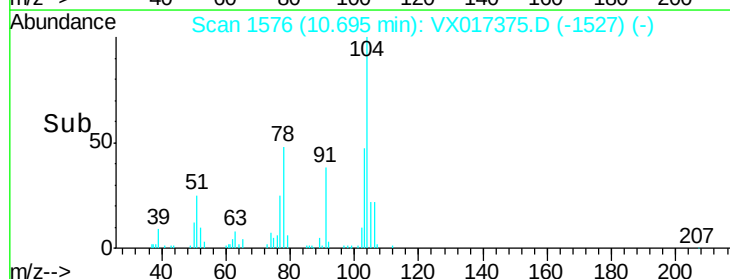
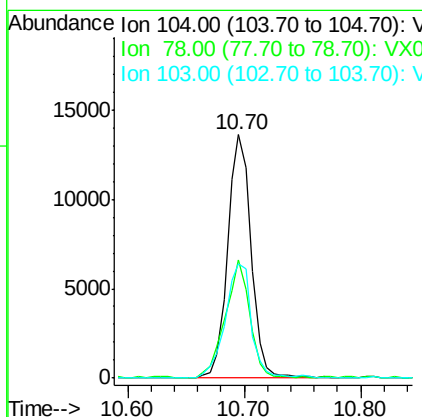
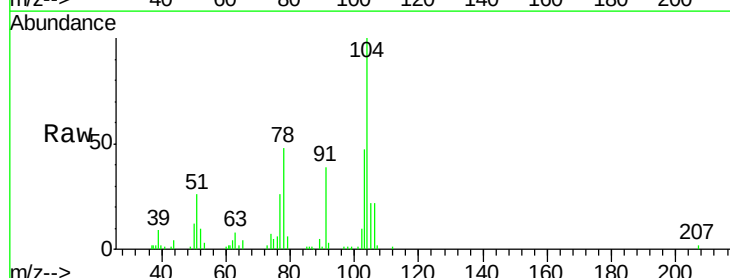
Manual Integrations
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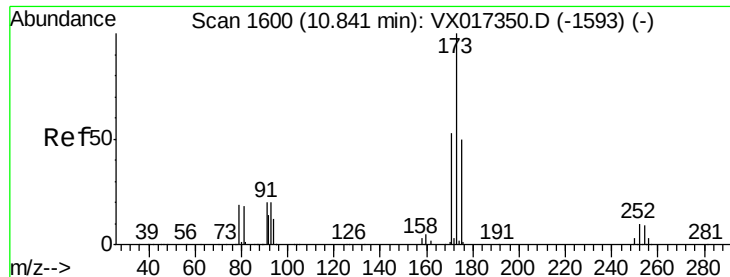
MMDadoda
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#70
Styrene
Concen: 2.108 ug/l
RT: 10.70 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	50.9	40.8	61.2
103	103	52.0	43.3	64.9





#71

Bromoform

Concen: 2.205 ug/l

RT: 10.84 min Scan# 1599

Delta R.T. -0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

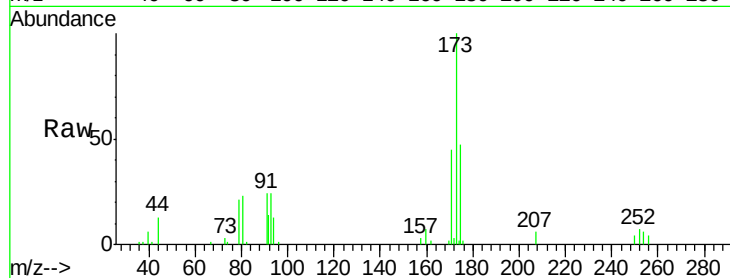
ClientSampleId :

MDL-WATER-03-QT3-2020

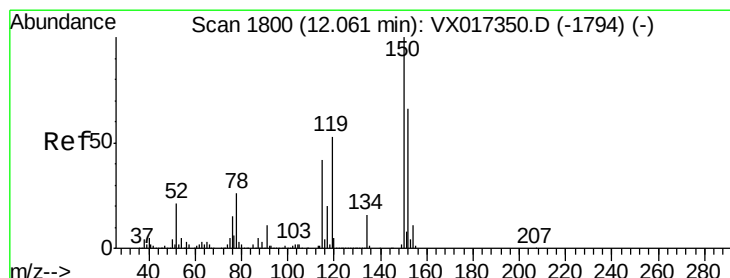
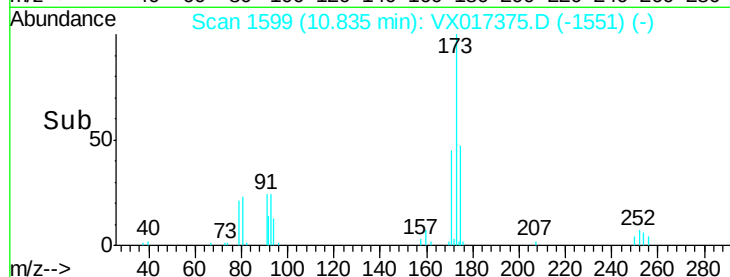
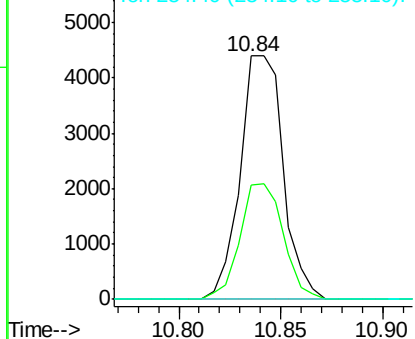
Tot Ion	Ratio	Lower	Upper
173	100		
175	47.7	24.7	74.1
254	0.0	0.1	0.1#

Manual Integrations
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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

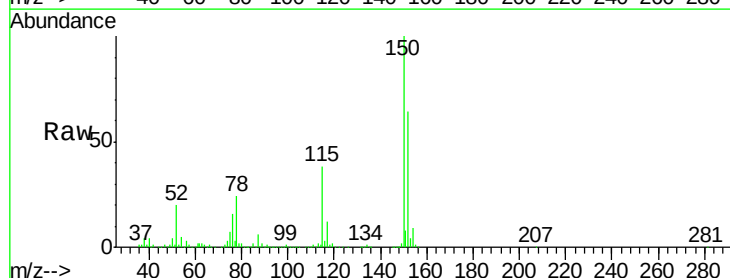
RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

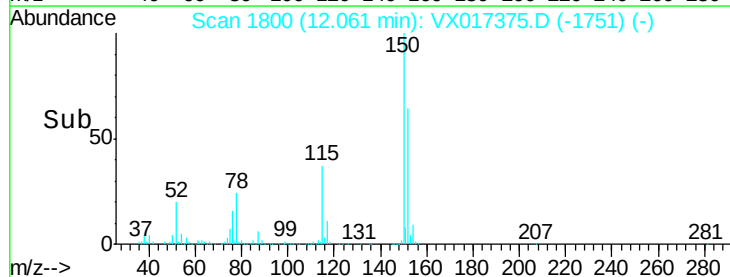
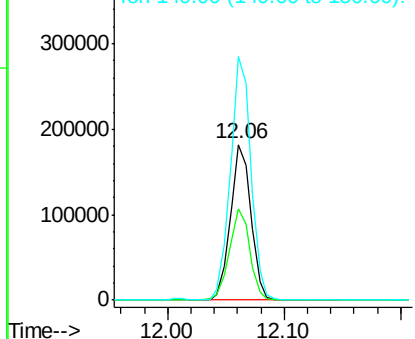
Lab File: VX017375.D

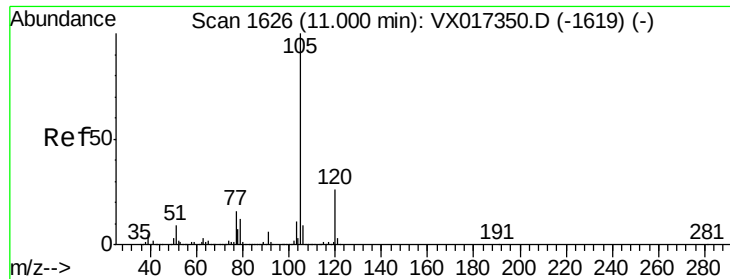
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.6	39.9	119.7
150	157.3	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: 2.214 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 30883

Ion Ratio Lower Upper

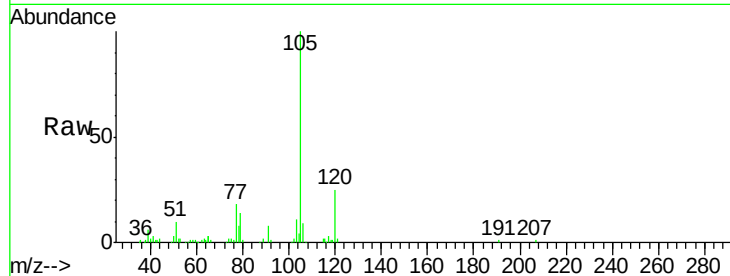
105 100

120 25.4 13.3 39.8

Manual Integrations
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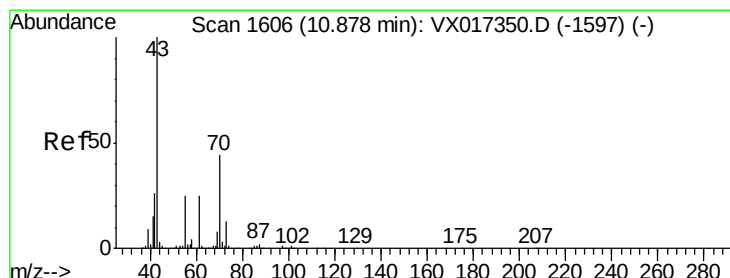
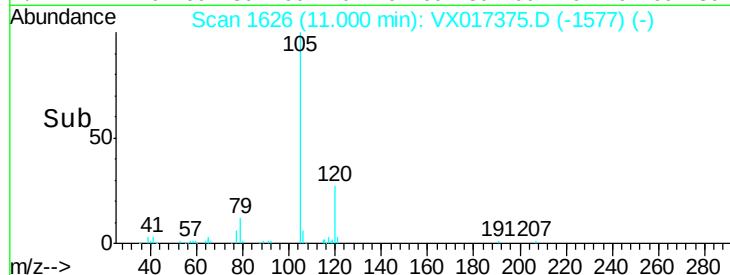
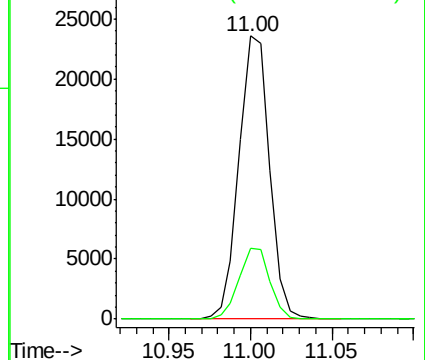
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 2.090 ug/l

RT: 10.88 min Scan# 1606

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion: 43 Resp: 11665

Ion Ratio Lower Upper

43 100

70 42.4 35.7 53.5

55 25.7 20.3 30.5

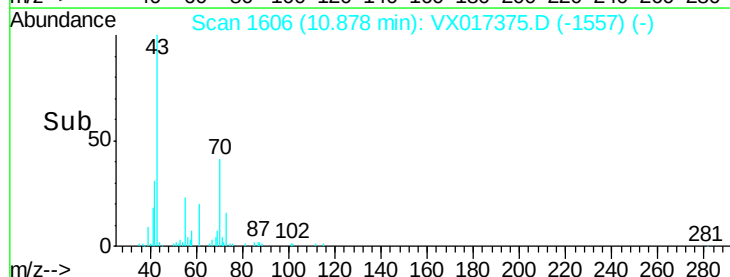
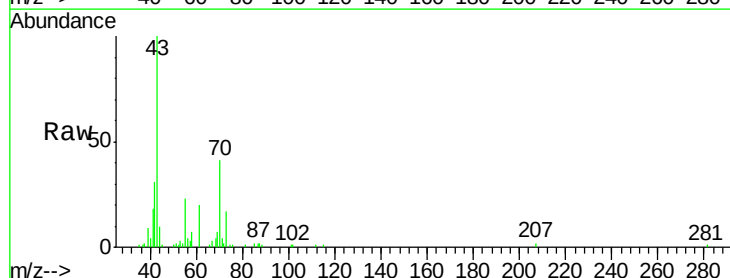
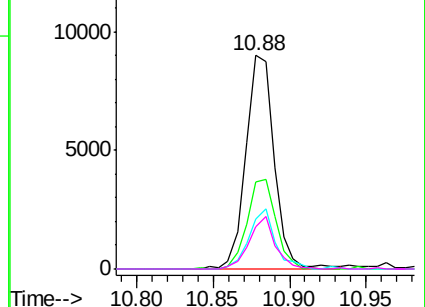
61 22.2 20.0 30.0

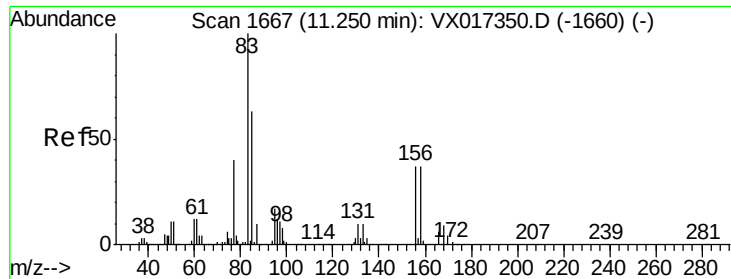
Abundance Ion 43.00 (42.70 to 43.70): VX0

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





#75

1,1,2,2-Tetrachloroethane

Concen: 2.756 ug/l

RT: 11.25 min Scan# 1667

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

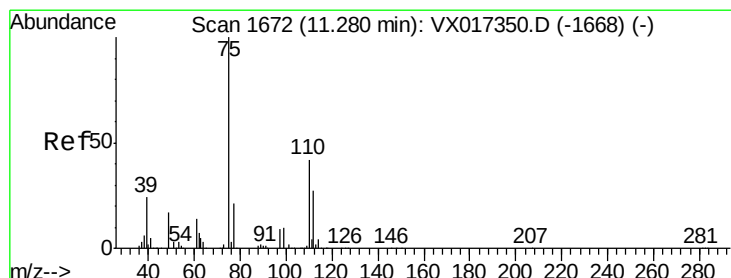
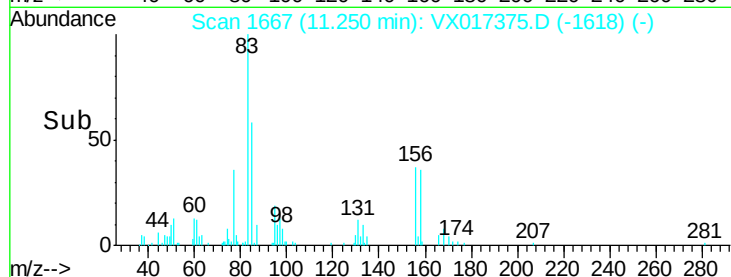
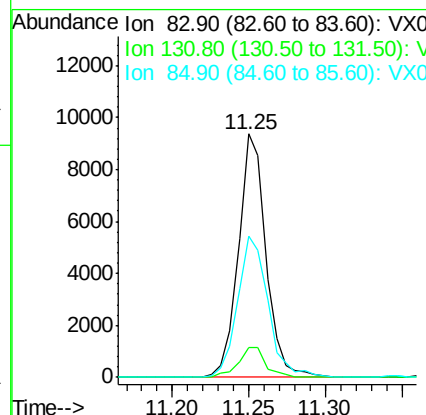
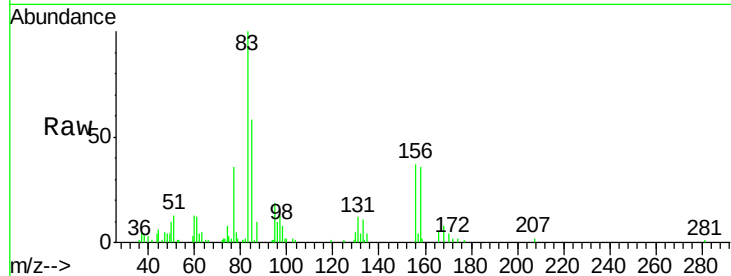
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	12.3	5.5	16.7
85	64.2	32.6	98.0

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 2.230 ug/l m

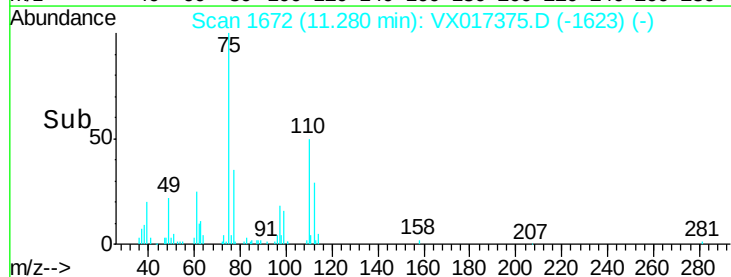
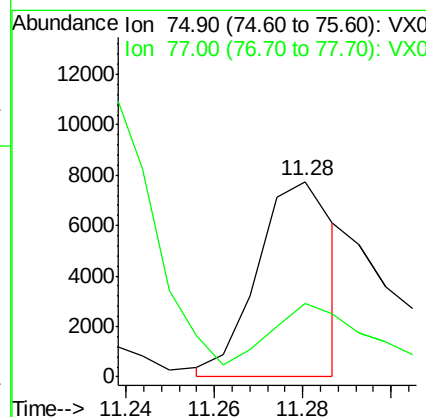
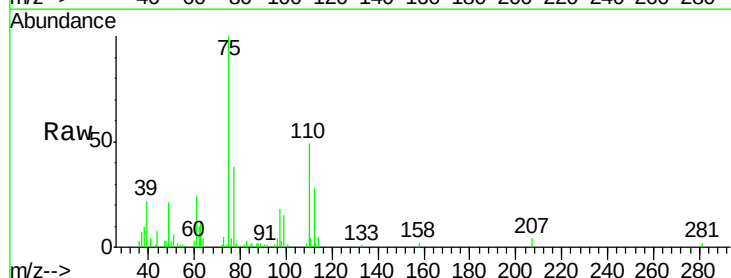
RT: 11.28 min Scan# 1672

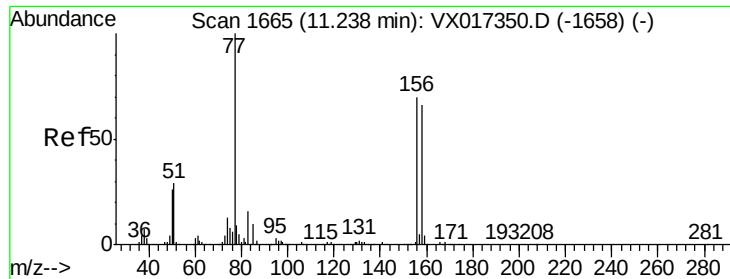
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
77	52.0	20.3	60.9





#77

Bromobenzene

Concen: 2.577 ug/l

RT: 11.24 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

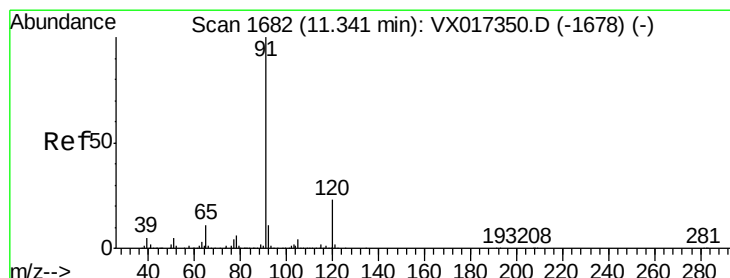
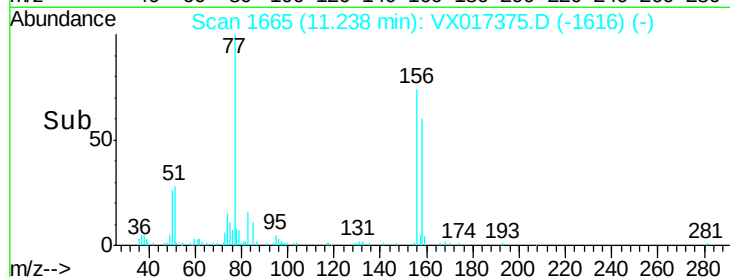
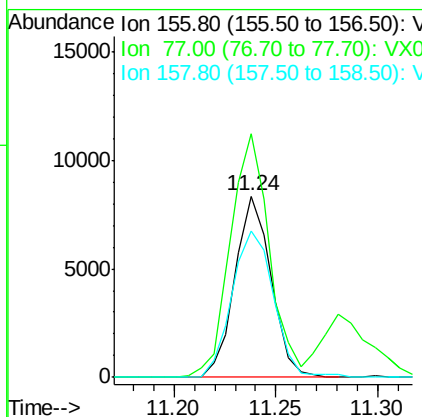
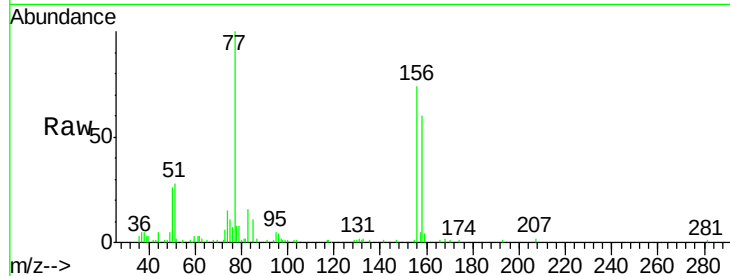
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	144.8	72.1	216.3
158	93.2	47.4	142.3

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#78

n-propylbenzene

Concen: 2.327 ug/l

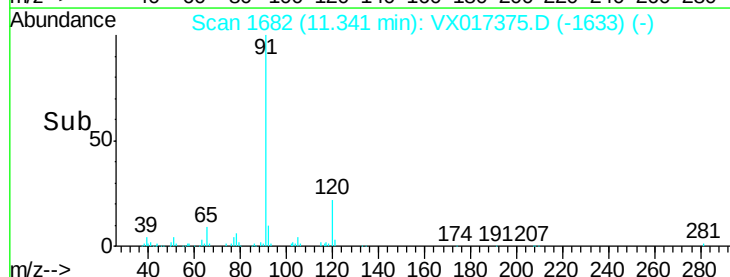
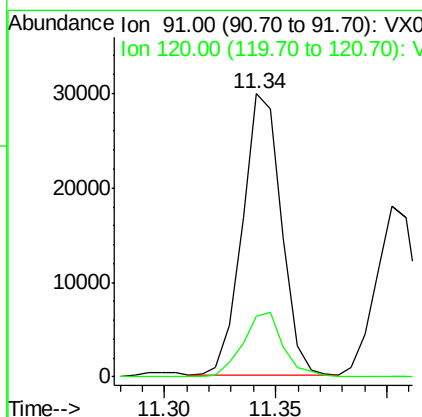
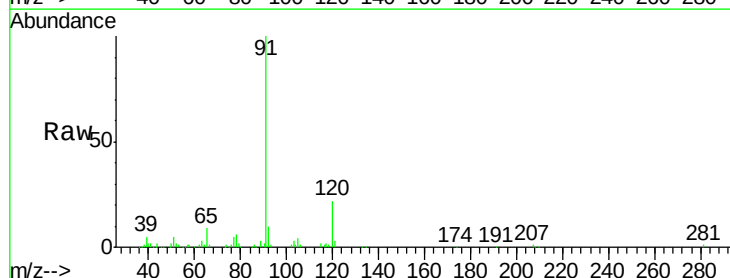
RT: 11.34 min Scan# 1682

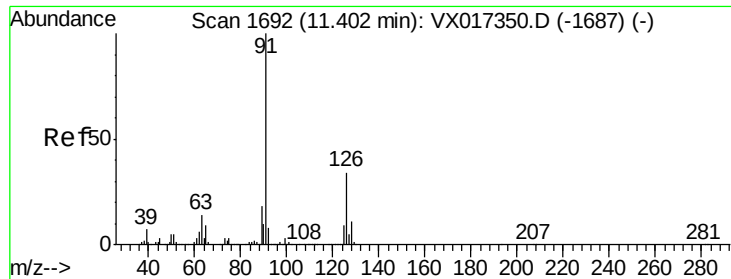
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.7	11.9	35.9





#79

2-Chlorotoluene

Concen: 2.394 ug/l

RT: 11.40 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion: 91 Resp: 23110

Ion Ratio Lower Upper

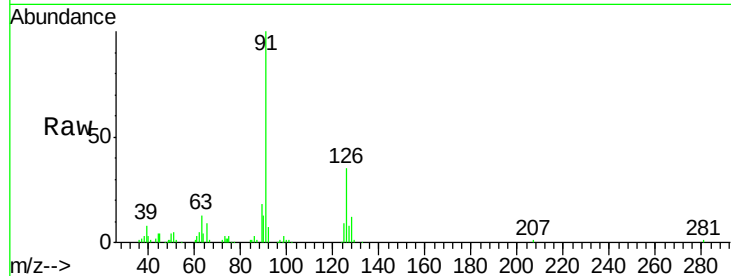
91 100

126 36.7 17.4 52.3

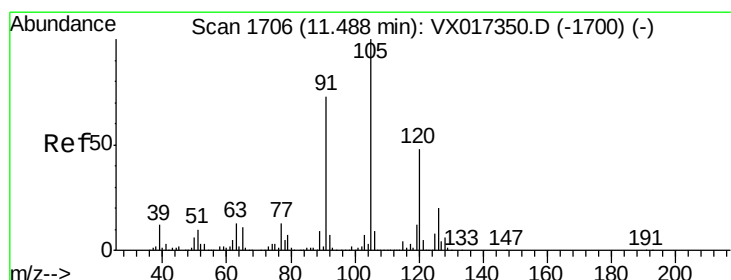
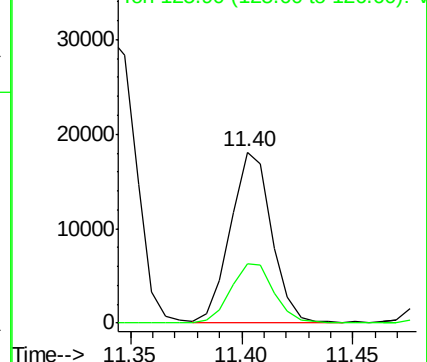
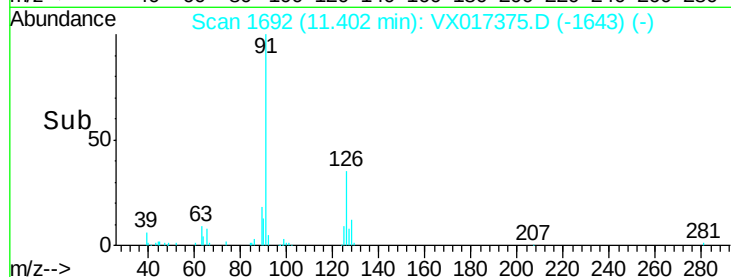
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Abundance Ion 91.00 (90.70 to 91.70): VX017375.D (-1643) (-)



#80

1,3,5-Trimethylbenzene

Concen: 2.255 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. 0.01 min

Lab File: VX017375.D

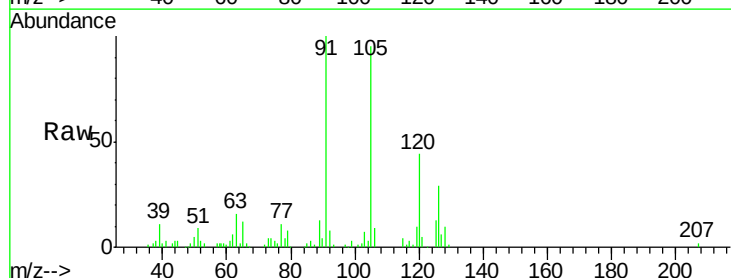
Acq: 14 Jul 2020 13:48

Tgt Ion: 105 Resp: 26703

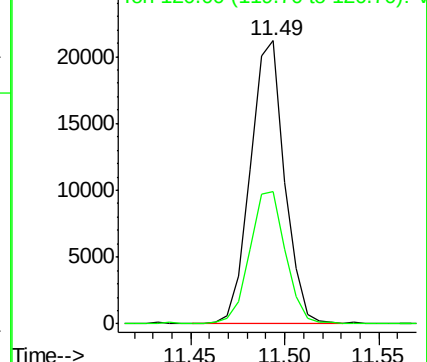
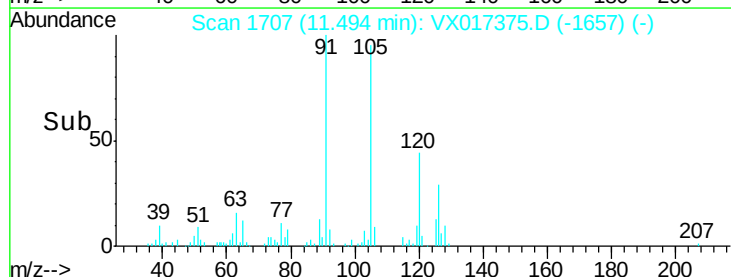
Ion Ratio Lower Upper

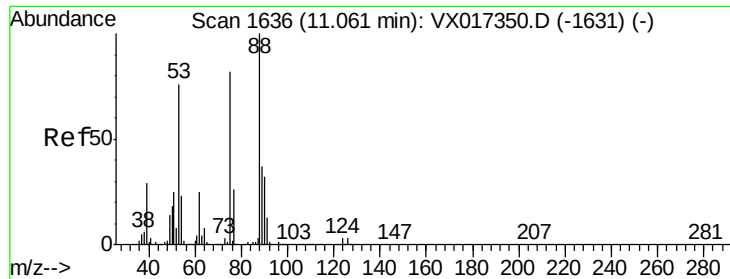
105 100

120 48.9 24.8 74.4



Abundance Ion 105.00 (104.70 to 105.70): VX017375.D (-1657) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 2.242 ug/l

RT: 11.05 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

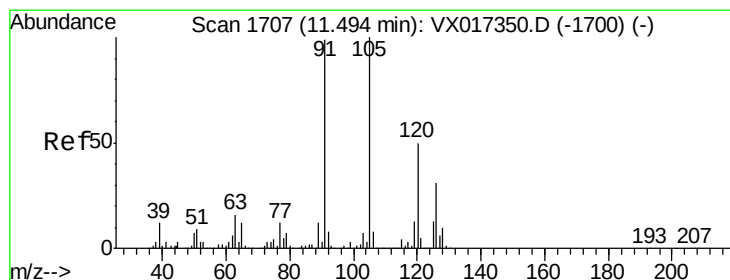
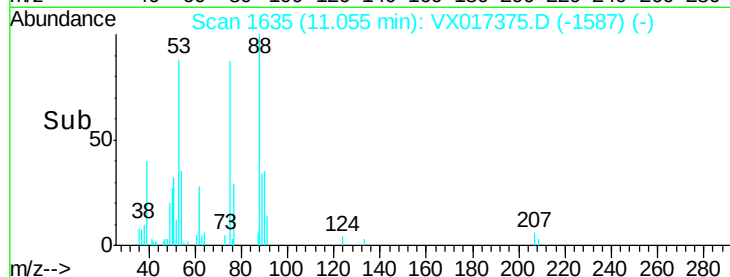
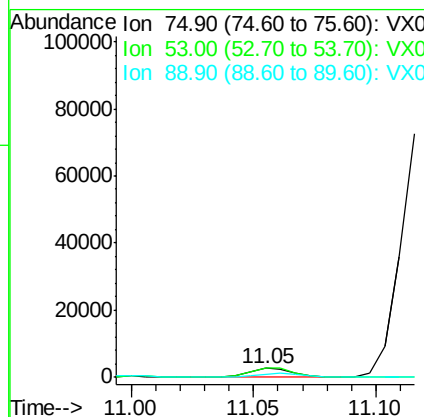
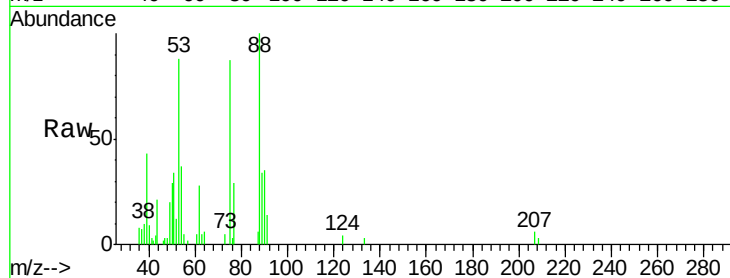
ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:	75	Resp:	3635
Ion	Ratio	Lower	Upper
75	100		
53	103.9	76.5	114.7
89	44.6	38.1	57.1

Manual Integrations
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#82

4-Chlorotoluene

Concen: 2.420 ug/l

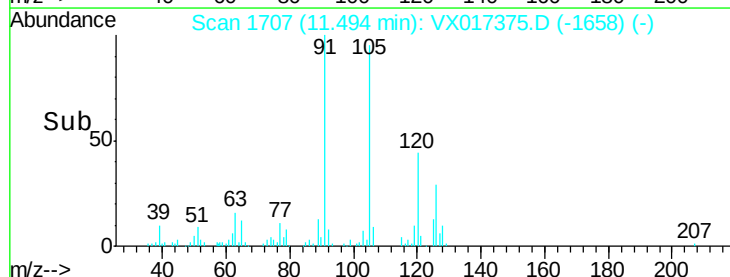
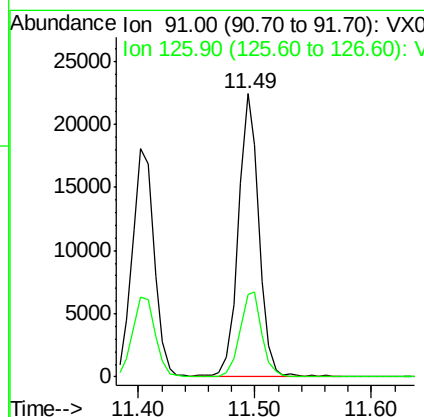
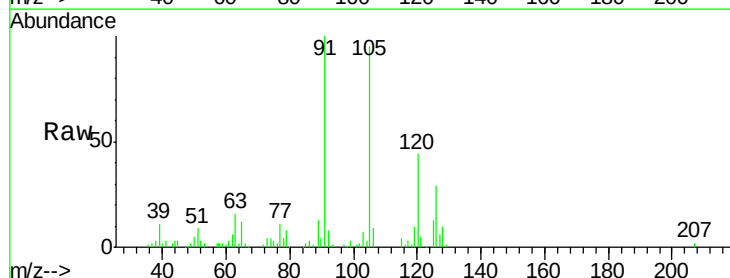
RT: 11.49 min Scan# 1707

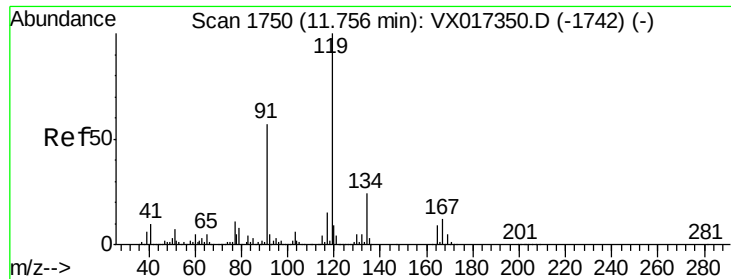
Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Tgt Ion:	91	Resp:	27691
Ion	Ratio	Lower	Upper
91	100		
126	31.8	15.4	46.2





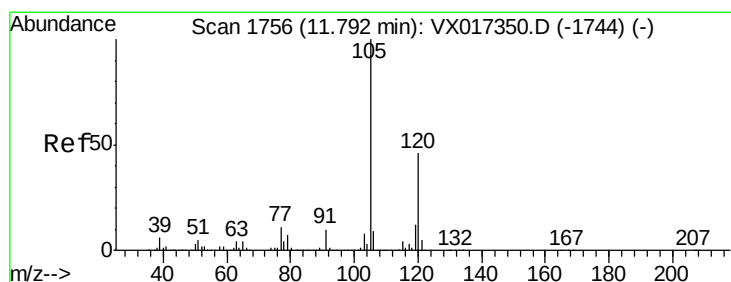
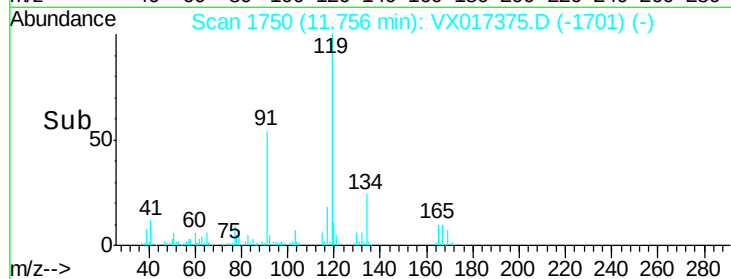
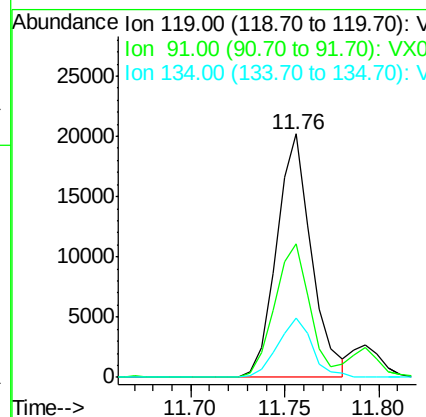
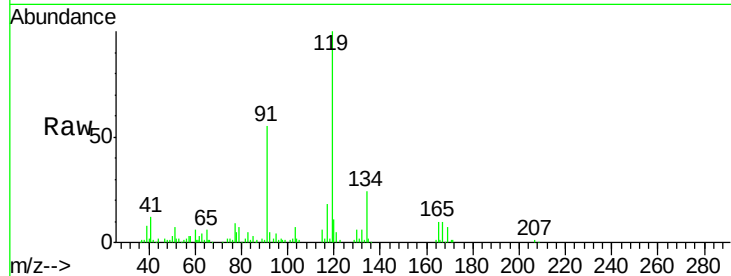
#83
tert-Butylbenzene
Concen: 2.261 ug/l
RT: 11.76 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
119	100		
91	55.0	28.5	85.6
134	23.9	11.9	35.9

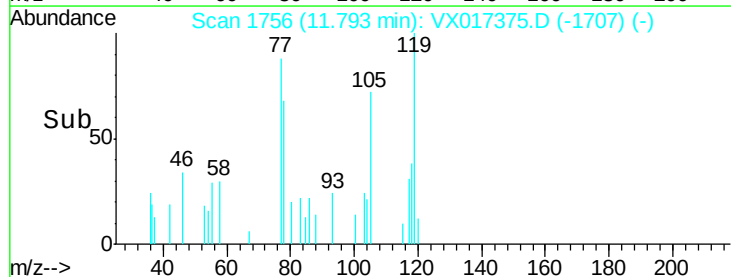
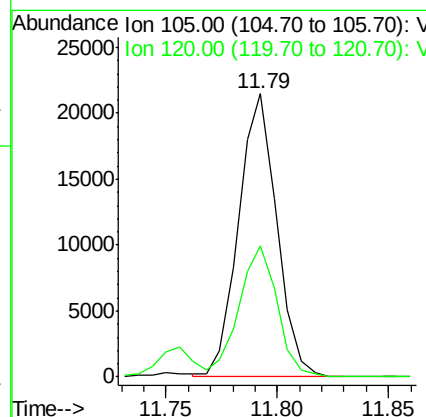
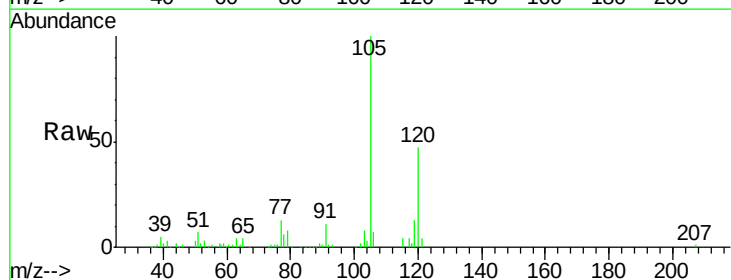
Manual Integrations
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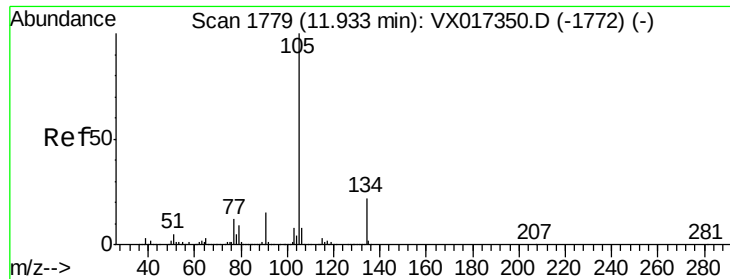
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 2.148 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.4	22.8	68.4





#85

sec-Butylbenzene

Concen: 2.184 ug/l

RT: 11.93 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

Instrument :

MSVOA_X

ClientSampleId :

MDL-WATER-03-QT3-2020

Tot Ion:105 Resp: 29271

Ion Ratio Lower Upper

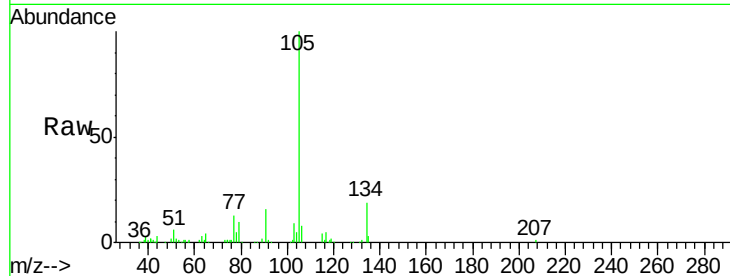
105 100

134 20.5 10.5 31.5

Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

25000

20000

15000

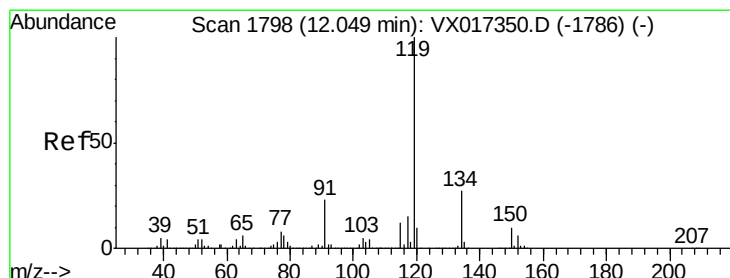
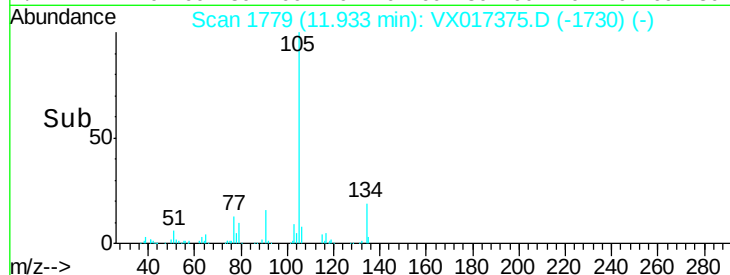
10000

5000

0

11.90 11.95

Time-->



#86

p-Isopropyltoluene

Concen: 2.032 ug/l

RT: 12.05 min Scan# 1798

Delta R.T. 0.00 min

Lab File: VX017375.D

Acq: 14 Jul 2020 13:48

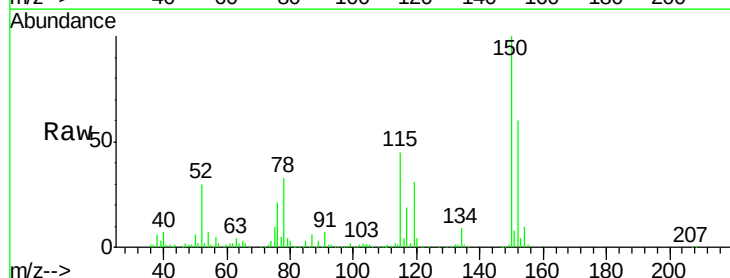
Tgt Ion:119 Resp: 25771

Ion Ratio Lower Upper

119 100

134 27.8 13.5 40.5

91 26.9 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

25000

20000

15000

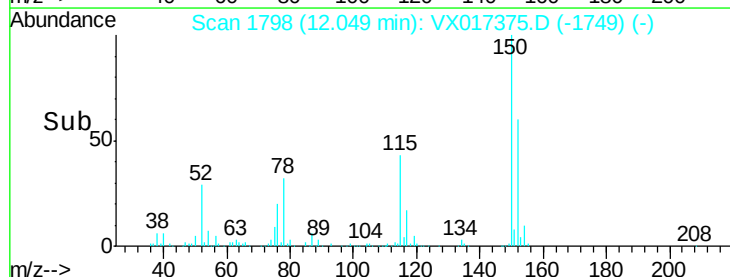
10000

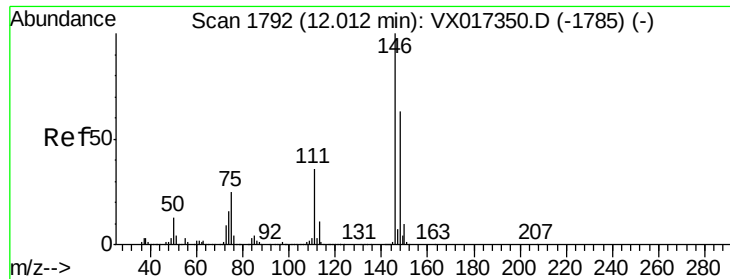
5000

0

12.00 12.05 12.10

Time-->





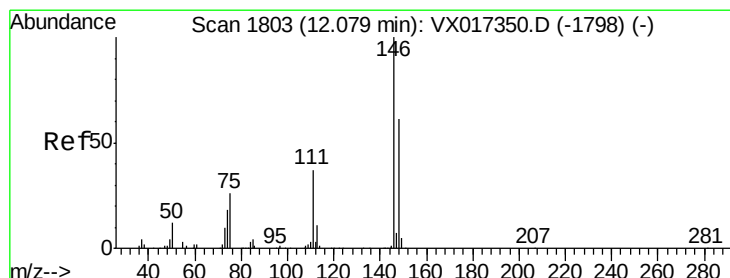
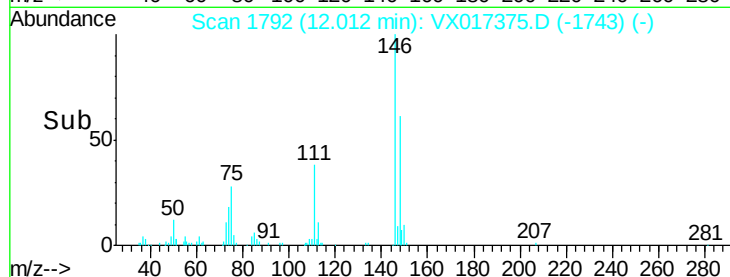
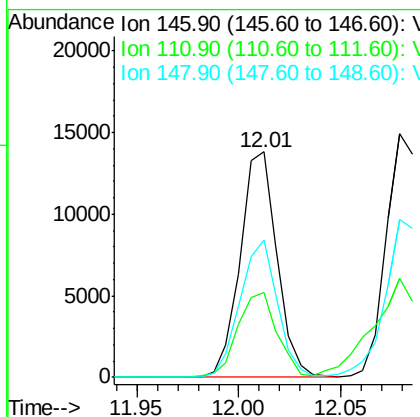
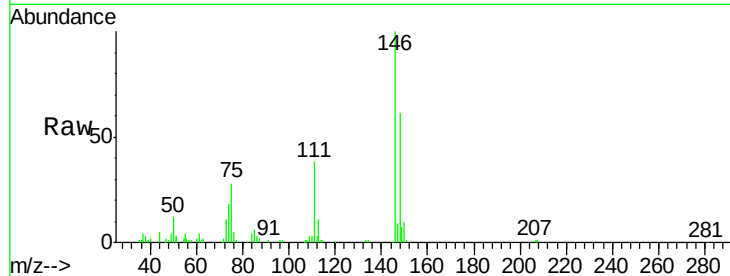
#87
 1,3-Dichlorobenzene
 Concen: 2.435 ug/l
 RT: 12.01 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.6	19.2	57.6
148	62.0	31.6	95.0

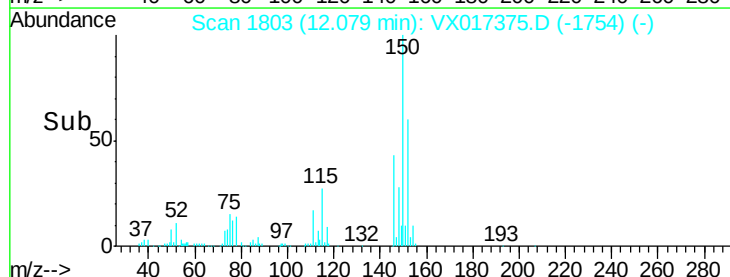
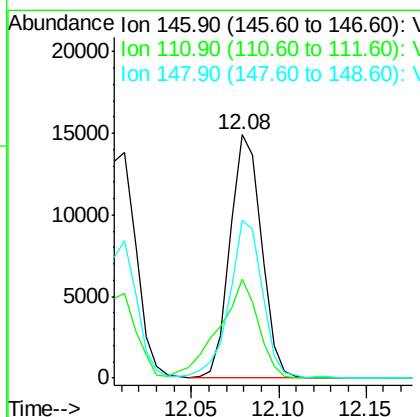
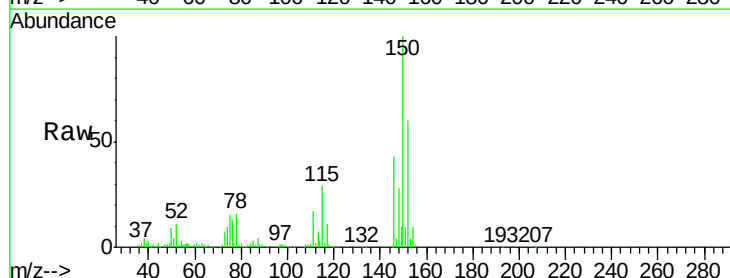
Manual Integrations
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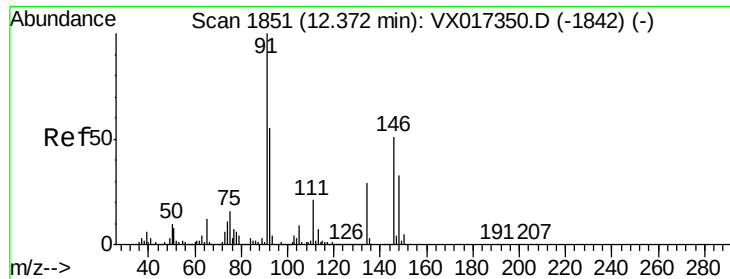
MMDadoda
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#88
 1,4-Dichlorobenzene
 Concen: 2.606 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
146	100		
111	51.1	18.9	56.9
148	68.7	31.9	95.9





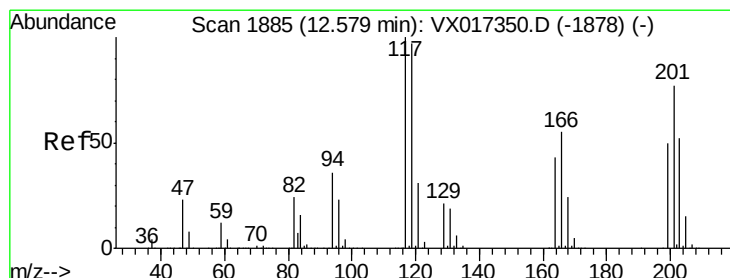
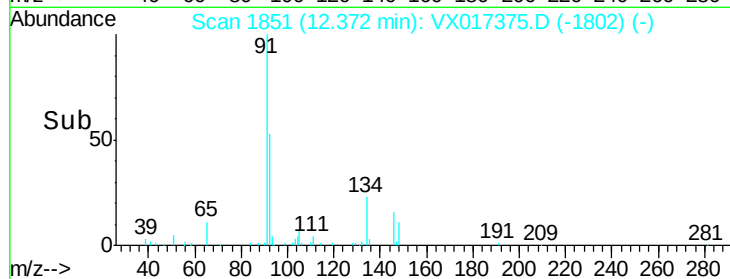
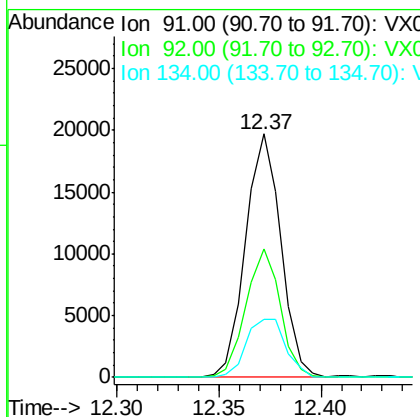
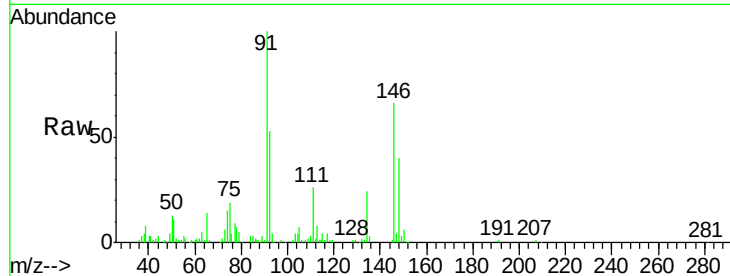
#89
n-Butylbenzene
Concen: 2.193 ug/l
RT: 12.37 min Scan# 1851
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	51.4	27.0	81.0
134	27.1	14.1	42.2

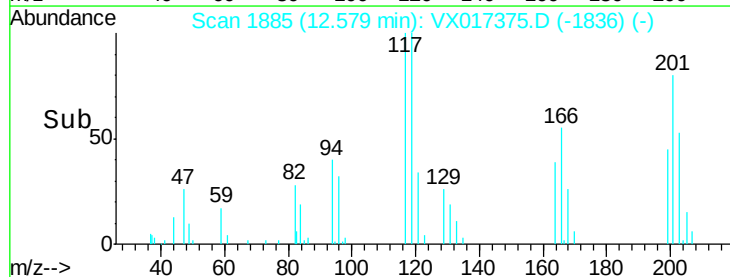
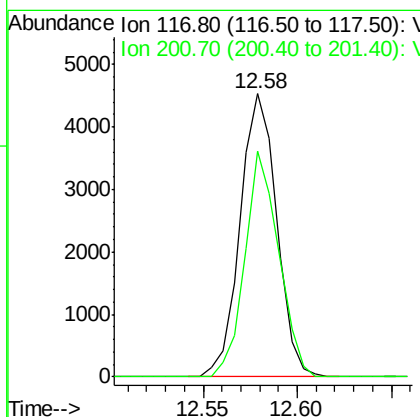
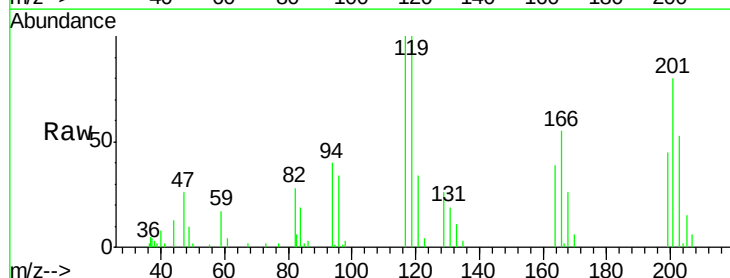
Manual Integrations
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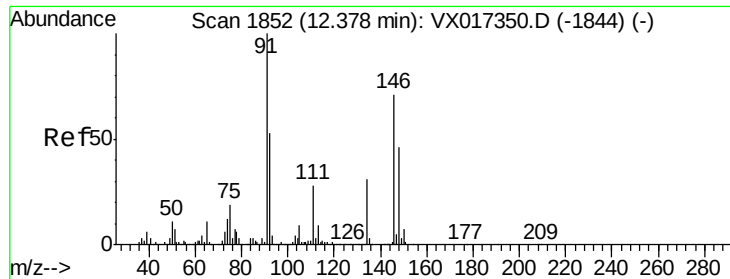
MMDadoda
7/15/2020 11:43:26 AM



#90
Hexachloroethane
Concen: 2.532 ug/l
RT: 12.58 min Scan# 1885
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
117	100		
201	73.7	41.0	123.0





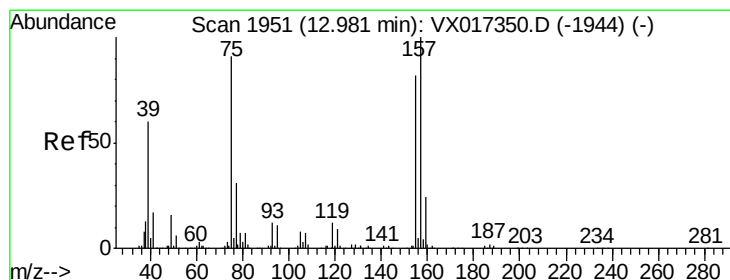
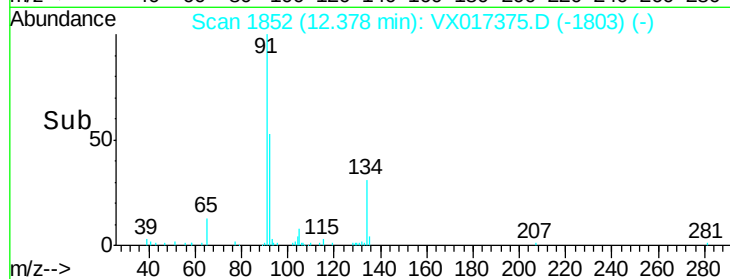
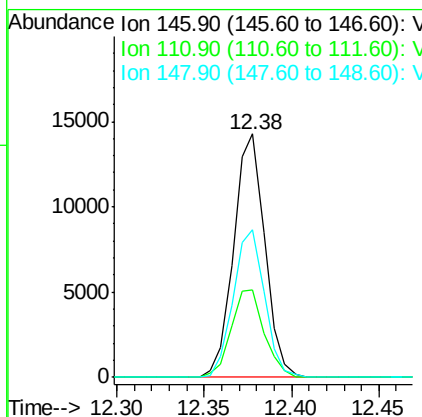
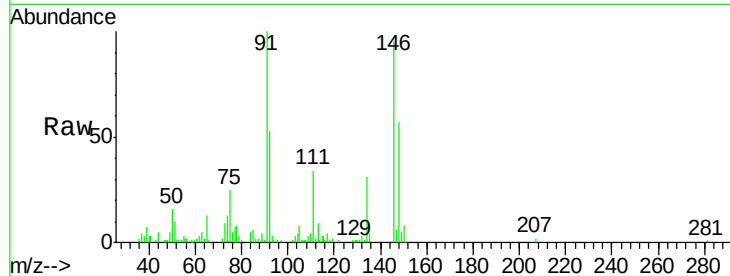
#91
 1,2-Dichlorobenzene
 Concen: 2.638 ug/l
 RT: 12.38 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.4	20.3	61.0
148	60.9	32.0	96.0

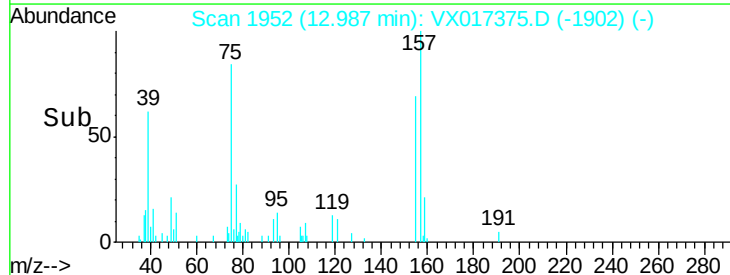
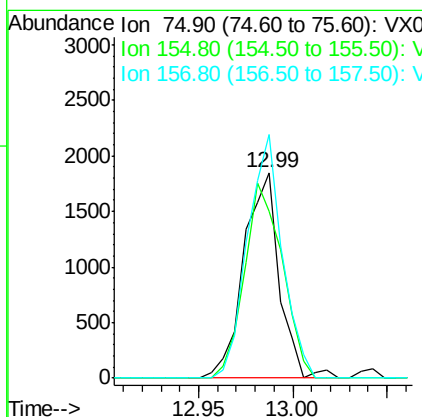
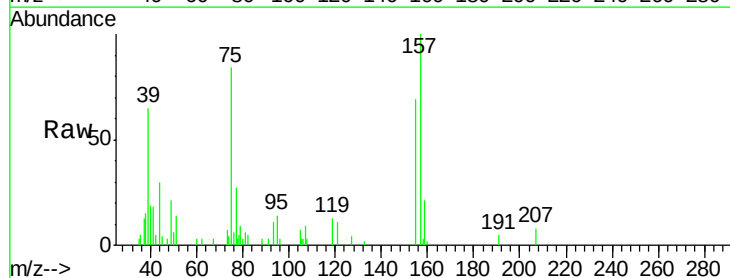
Manual Integrations
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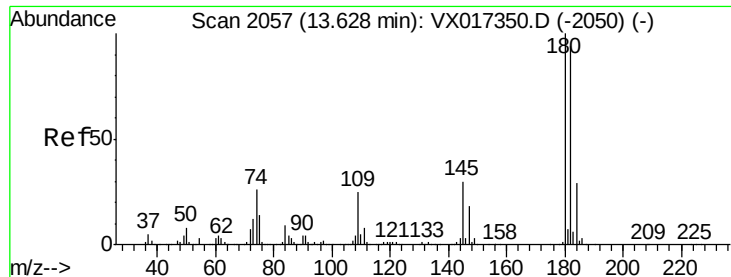
MMDadoda
 7/15/2020 11:43:26 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.159 ug/l
 RT: 12.99 min Scan# 1952
 Delta R.T. 0.01 min
 Lab File: VX017375.D
 Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.5	46.5	139.3
157	115.4	58.0	173.9





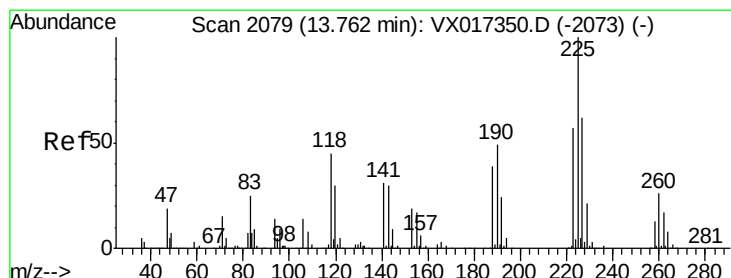
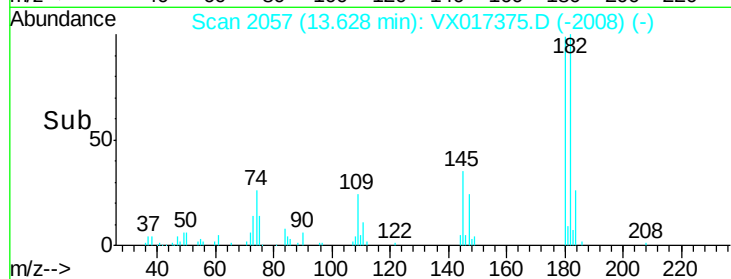
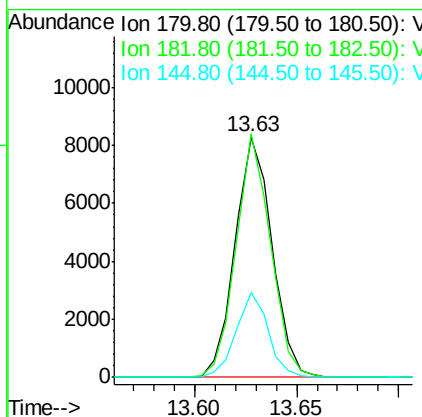
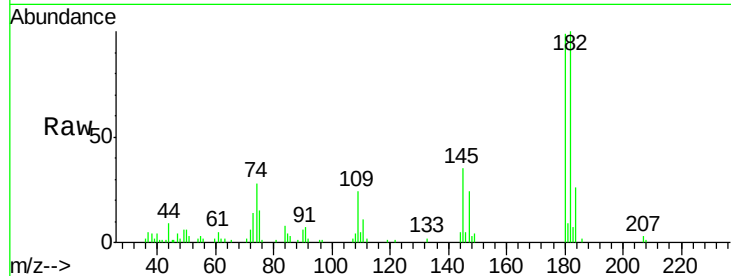
#93
1,2,4-Trichlorobenzene
Concen: 2.241 ug/l
RT: 13.63 min Scan# 2057
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.4	145.0
145	30.8	15.3	45.8

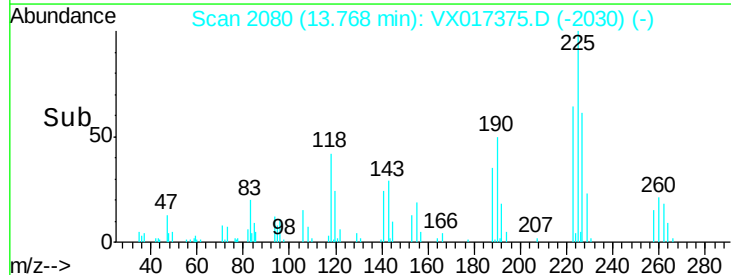
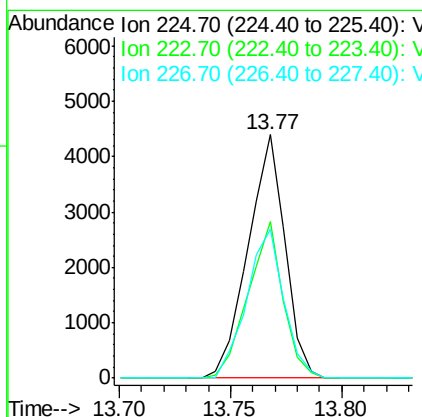
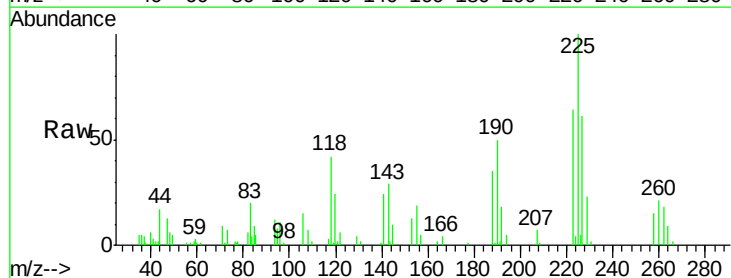
Manual Integrations
APPROVED

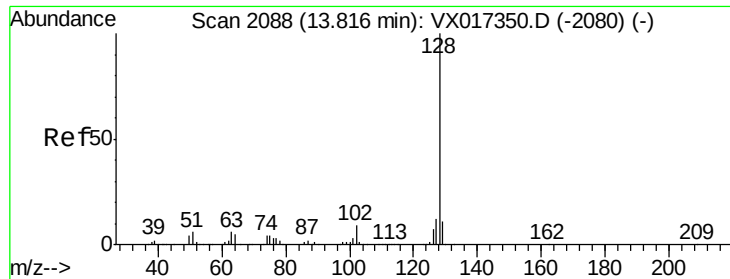
MMDadoda
7/15/2020 11:43:26 AM



#94
Hexachlorobutadiene
Concen: 2.692 ug/l
RT: 13.77 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.7	31.3	93.8
227	61.5	31.6	95.0





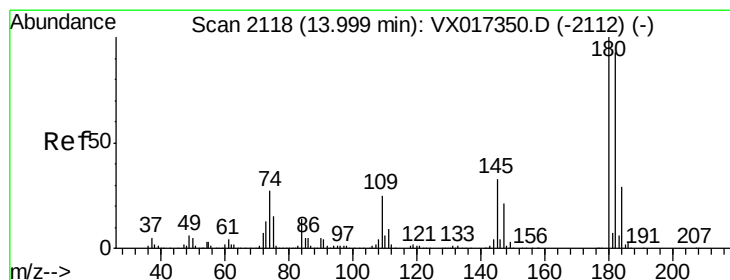
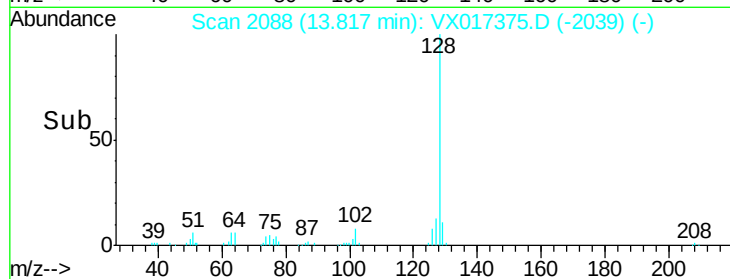
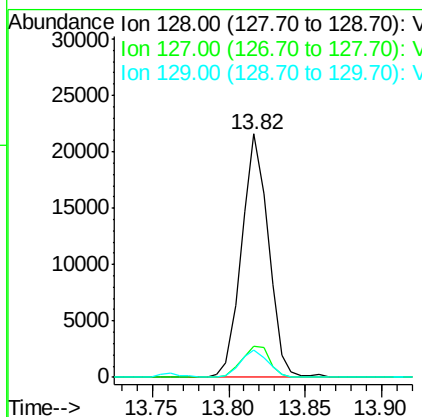
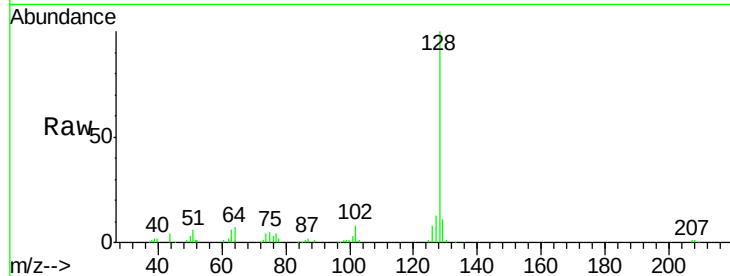
#95
Naphthalene
Concen: 1.927 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

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

Tot Ion	Ratio	Resp	Lower	Upper
128	100	26269		
127	13.6		10.2	15.4
129	11.6		8.9	13.3

Manual Integrations
APPROVED

MMDadoda
7/15/2020 11:43:26 AM



#96
1,2,3-Trichlorobenzene
Concen: 2.259 ug/l
RT: 14.00 min Scan# 2118
Delta R.T. 0.00 min
Lab File: VX017375.D
Acq: 14 Jul 2020 13:48

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	10120		
182	96.1		48.8	146.3
145	33.6		16.6	49.7

