

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031820\
 Data File : VN060574.D
 Acq On : 17 Mar 2020 23:21
 Operator : JC/MD
 Sample : L1161-08 1.0PPB LOQ
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 37 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Manual Integrations
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 3/19/2020 1:02:30 PM

Quant Time: Mar 18 09:21:58 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N031820W.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 18 09:02:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	204470	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	346485	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	309492	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	132173	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	138420	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
35) Dibromofluoromethane	7.57	113	101205	48.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.62%	
50) Toluene-d8	10.08	98	403636	47.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.34%	
62) 4-Bromofluorobenzene	12.40	95	138472	44.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.30%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1551	0.784	ug/l	93
3) Chloromethane	2.04	50	3430	0.928	ug/l	94
4) Vinyl Chloride	2.16	62	2573	0.890	ug/l	96
5) Bromomethane	2.55	94	1240	0.994	ug/l	92
6) Chloroethane	2.68	64	1571	0.944	ug/l #	87
7) Trichlorofluoromethane	3.00	101	3228	0.907	ug/l	99
8) Diethyl Ether	3.39	74	1288	0.901	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	1830	0.887	ug/l	91
10) Methyl Iodide	3.93	142	1772m	0.965	ug/l	
11) Tert butyl alcohol	4.73	59	1728	4.186	ug/l #	72
12) 1,1-Dichloroethene	3.71	96	2083	0.941	ug/l	86
13) Acrolein	3.59	56	1647	3.600	ug/l #	55
14) Allyl chloride	4.30	41	3372	0.866	ug/l	89
15) Acrylonitrile	4.96	53	4290	3.534	ug/l #	58
16) Acetone	3.79	43	4729	4.756	ug/l	98
17) Carbon Disulfide	4.03	76	7052	1.047	ug/l #	95
18) Methyl Acetate	4.28	43	2379m	0.850	ug/l	
19) Methyl tert-butyl Ether	5.00	73	7133m	0.937	ug/l	
20) Methylene Chloride	4.51	84	2383	0.974	ug/l	92
21) trans-1,2-Dichloroethene	5.02	96	2398m	1.016	ug/l	
22) Diisopropyl ether	5.92	45	7475	0.909	ug/l	97
23) Vinyl Acetate	5.87	43	28554	4.254	ug/l	97
24) 1,1-Dichloroethane	5.82	63	4346	0.969	ug/l #	85
25) 2-Butanone	6.81	43	6863	4.266	ug/l	96
26) 2,2-Dichloropropane	6.79	77	3051	0.865	ug/l	85
27) cis-1,2-Dichloroethene	6.80	96	2720	1.014	ug/l	91
28) Bromochloromethane	7.17	49	2130	0.993	ug/l #	95
29) Tetrahydrofuran	7.19	42	4829	4.242	ug/l	97
30) Chloroform	7.35	83	4152	0.966	ug/l	99
31) Cyclohexane	7.64	56	7963	1.761	ug/l #	34
32) 1,1,1-Trichloroethane	7.55	97	3333	0.899	ug/l #	51
36) 1,1-Dichloropropene	7.77	75	3209	0.956	ug/l	94
37) Ethyl Acetate	6.90	43	3733	1.030	ug/l #	70
38) Carbon Tetrachloride	7.75	117	2600	0.865	ug/l	87

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	3578	0.897	ug/l	97
40) Benzene	8.02	78	9208	0.909	ug/l	97
41) Methacrylonitrile	7.15	41	1506m	0.973	ug/l	
42) 1,2-Dichloroethane	8.10	62	3457	0.999	ug/l	85
43) Isopropyl Acetate	8.14	43	5092	0.852	ug/l #	82
44) Trichloroethene	8.82	130	2595	1.016	ug/l	87
45) 1,2-Dichloropropane	9.10	63	2315	0.866	ug/l	94
46) Dibromomethane	9.19	93	1493	0.924	ug/l	92
47) Bromodichloromethane	9.39	83	2851	0.849	ug/l #	95
48) Methyl methacrylate	9.18	41	2287	0.859	ug/l	91
49) 1,4-Dioxane	9.18	88	383	12.105	ug/l #	63
51) 4-Methyl-2-Pentanone	9.97	43	14356	4.220	ug/l	99
52) Toluene	10.14	92	5584	0.913	ug/l	94
53) t-1,3-Dichloropropene	10.37	75	3350	0.869	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	3700	0.875	ug/l	90
55) 1,1,2-Trichloroethane	10.55	97	2096	0.891	ug/l	95
56) Ethyl methacrylate	10.42	69	2557	0.697	ug/l	90
57) 1,3-Dichloropropane	10.70	76	3582	0.877	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.68	63	7483	4.103	ug/l	100
59) 2-Hexanone	10.74	43	9756	3.981	ug/l	94
60) Dibromochloromethane	10.90	129	1990	0.819	ug/l	99
61) 1,2-Dibromoethane	10.99	107	2177	0.920	ug/l	86
64) Tetrachloroethene	10.62	164	2381	0.978	ug/l	96
65) Chlorobenzene	11.42	112	5780	0.942	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	1934	0.871	ug/l #	64
67) Ethyl Benzene	11.50	91	10539	0.924	ug/l	100
68) m/p-Xylenes	11.62	106	7366	1.737	ug/l	96
69) o-Xylene	11.94	106	3748	0.926	ug/l	96
70) Styrene	11.96	104	5209	0.787	ug/l	98
71) Bromoform	12.12	173	1235	0.745	ug/l #	99
73) Isopropylbenzene	12.24	105	9752	0.983	ug/l	99
74) N-amyl acetate	12.06	43	4276	0.933	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	2803	0.934	ug/l #	94
76) 1,2,3-Trichloropropane	12.55	75	3170m	1.111	ug/l	
77) Bromobenzene	12.52	156	2368	0.991	ug/l	98
78) n-propylbenzene	12.59	91	11461	0.978	ug/l	97
79) 2-Chlorotoluene	12.67	91	6795	0.970	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	7697	0.914	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	894m	0.805	ug/l	
82) 4-Chlorotoluene	12.77	91	7036	0.987	ug/l	100
83) tert-Butylbenzene	12.99	119	6695	0.959	ug/l	99
84) 1,2,4-Trimethylbenzene	13.03	105	7707	0.925	ug/l	95
85) sec-Butylbenzene	13.17	105	9007	0.960	ug/l	100
86) p-Isopropyltoluene	13.28	119	7997	0.948	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	4176	0.991	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	4562m	1.077	ug/l	
89) n-Butylbenzene	13.61	91	6809	0.894	ug/l	99
90) Hexachloroethane	13.87	117	883	0.720	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	4077	1.011	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.26	75	608	0.903	ug/l	62

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Instrument :
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ClientSampleId :
LOQ-WATER-02-QT1-2020

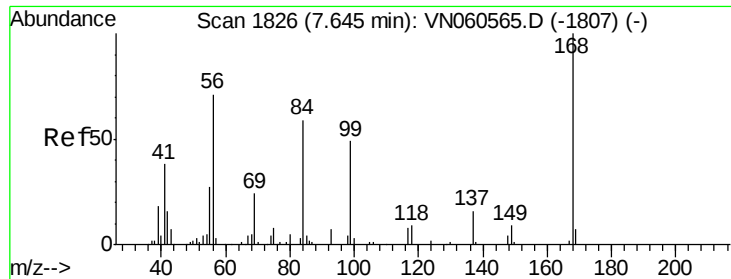
Manual Integrations
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3/19/2020 1:02:30 PM

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Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	2065	0.834	ug/l	96
94) Hexachlorobutadiene	15.01	225	1375	1.133	ug/l	85
95) Naphthalene	15.13	128	6055	0.813	ug/l	97
96) 1,2,3-Trichlorobenzene	15.31	180	2051	0.841	ug/l	92

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



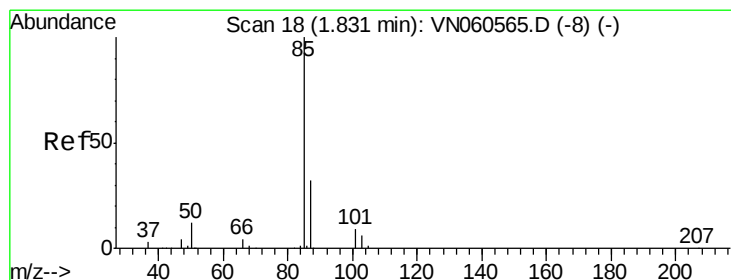
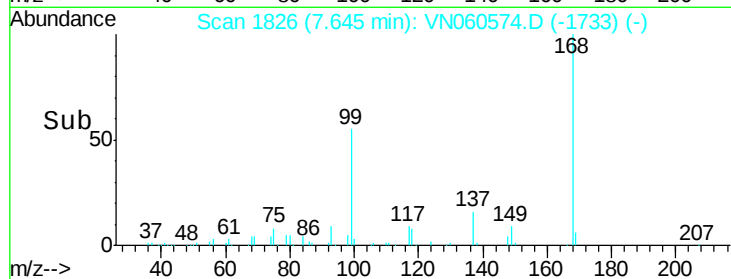
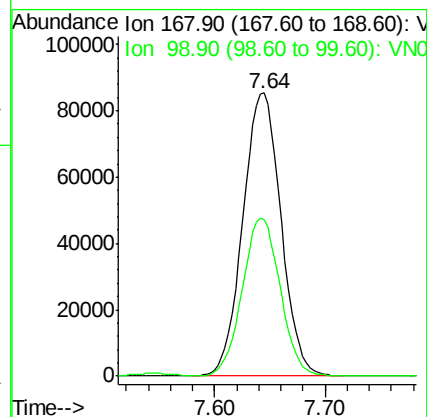
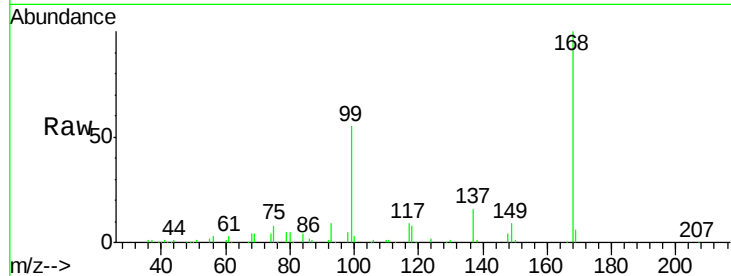
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
168	100		
99	55.3	44.0	66.0

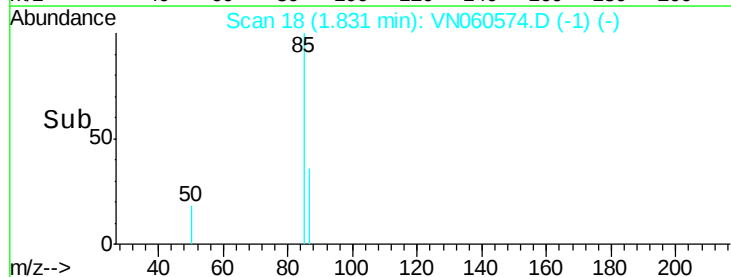
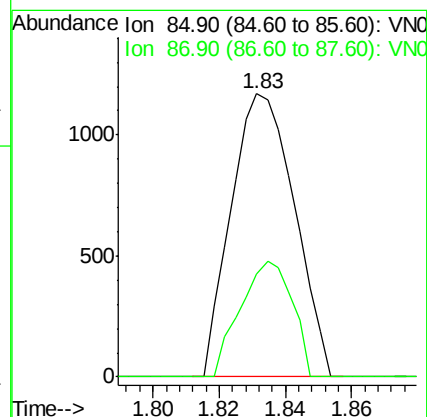
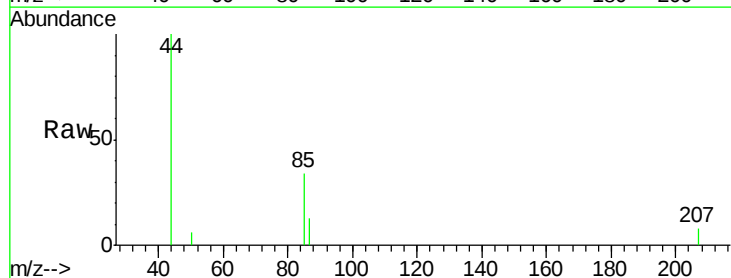
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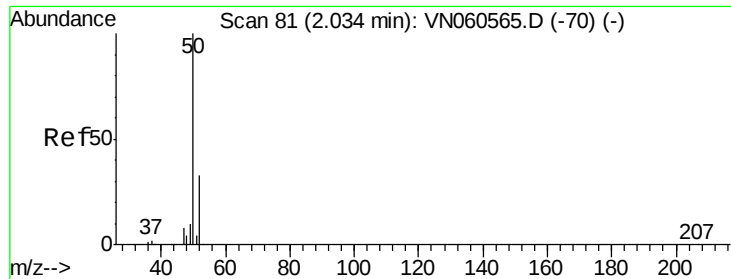
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#2
Dichlorodifluoromethane
Concen: 0.784 ug/l
RT: 1.83 min Scan# 18
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.3	16.2	48.5





#3

Chloromethane

Concen: 0.928 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 50 Resp: 3430

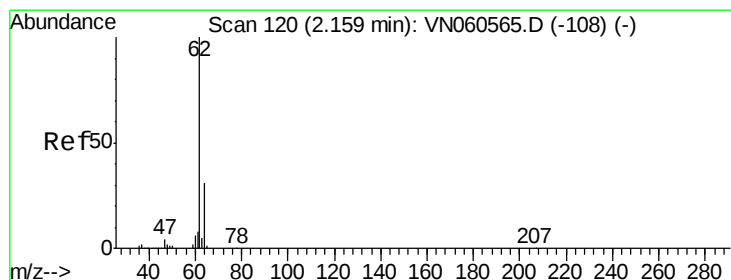
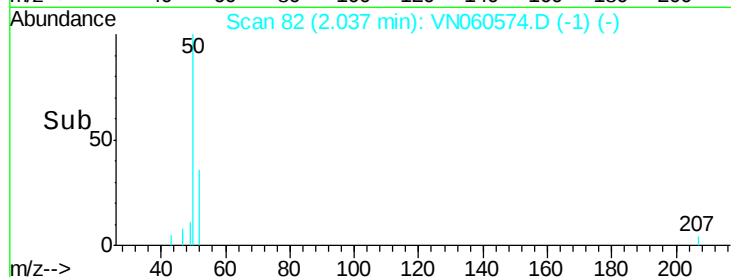
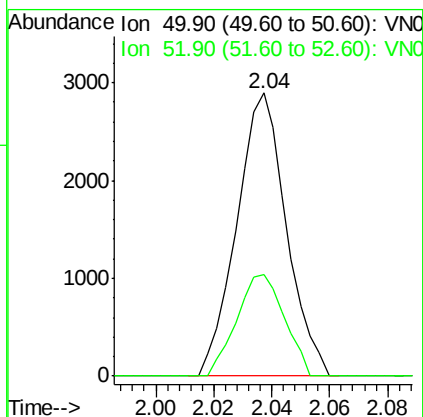
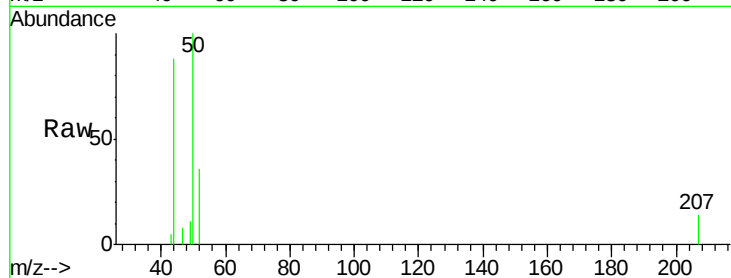
Ion Ratio Lower Upper

50 100

52 36.0 26.2 39.2

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#4

Vinyl Chloride

Concen: 0.890 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.00 min

Lab File: VN060574.D

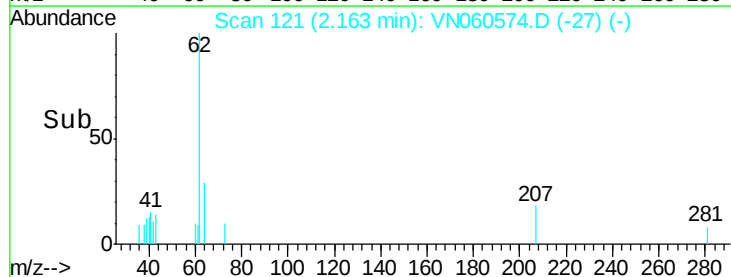
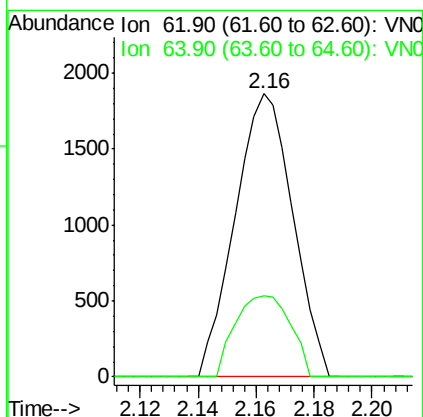
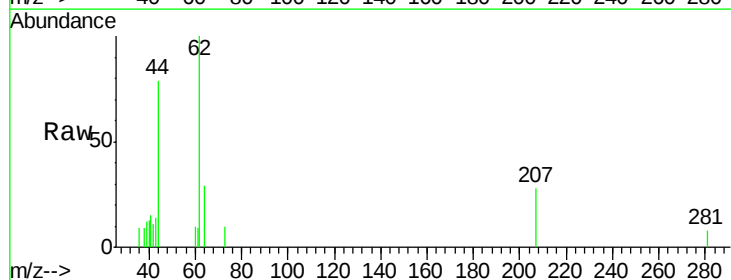
Acq: 17 Mar 2020 23:21

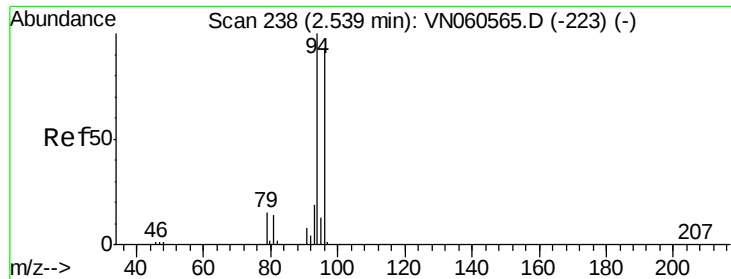
Tgt Ion: 62 Resp: 2573

Ion Ratio Lower Upper

62 100

64 28.8 24.7 37.1





#5

Bromomethane

Concen: 0.994 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 94 Resp: 1240

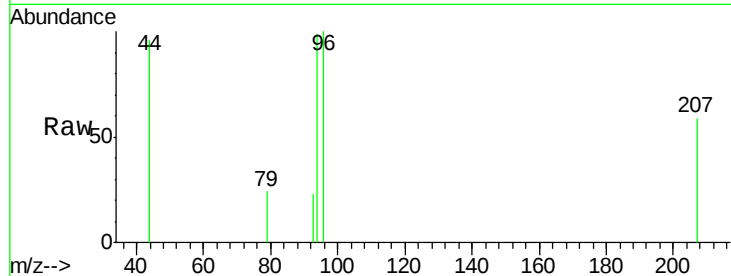
Ion Ratio Lower Upper

94 100

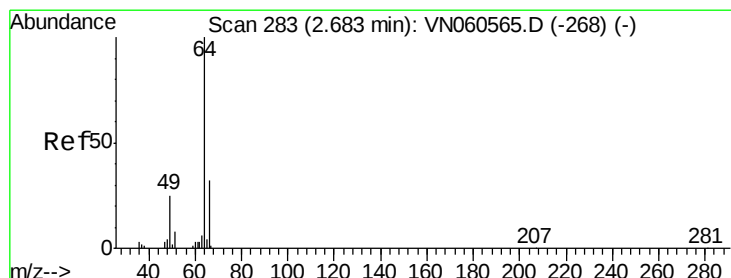
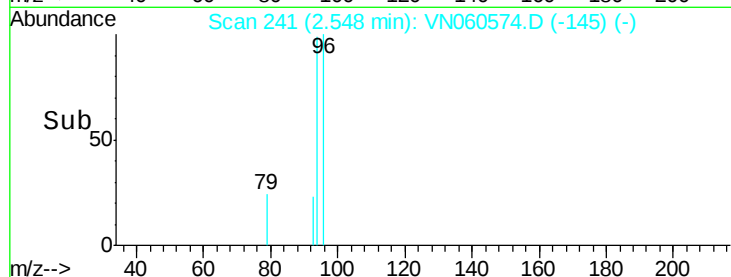
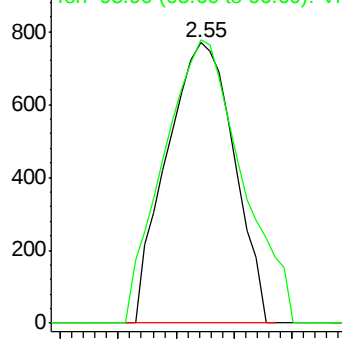
96 100.9 74.6 112.0

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Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 0.944 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN060574.D

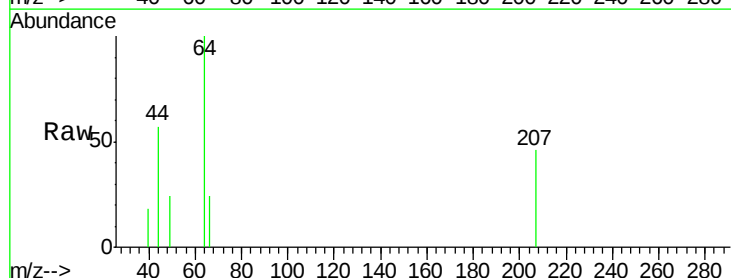
Acq: 17 Mar 2020 23:21

Tgt Ion: 64 Resp: 1571

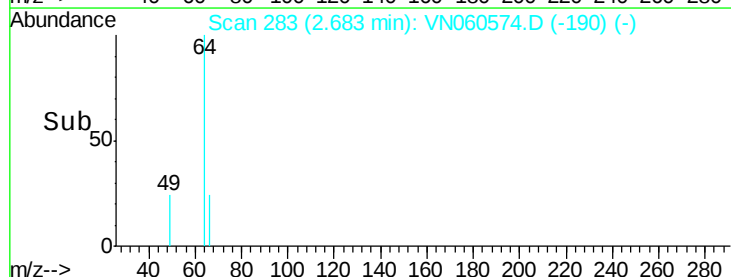
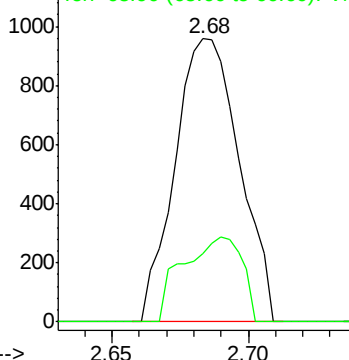
Ion Ratio Lower Upper

64 100

66 24.3 25.3 37.9#



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO





#7

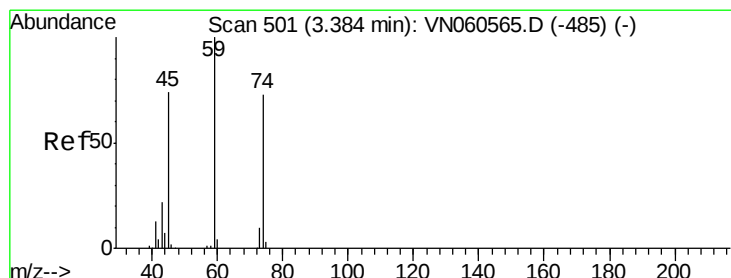
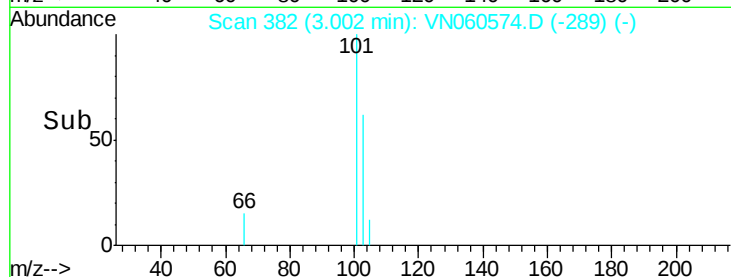
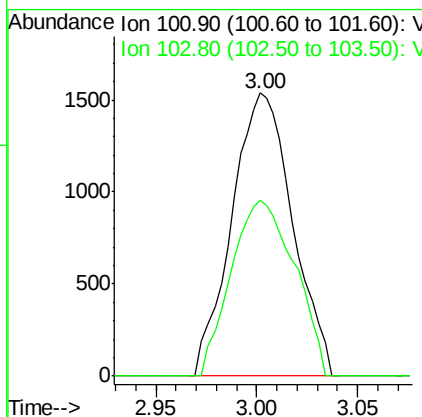
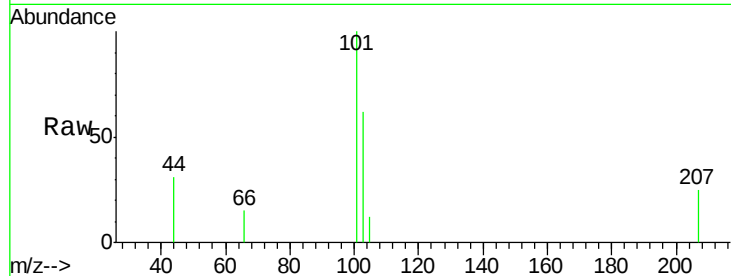
Trichlorofluoromethane
 Concen: 0.907 ug/l
 RT: 3.00 min Scan# 382
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
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 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.1	50.6	76.0

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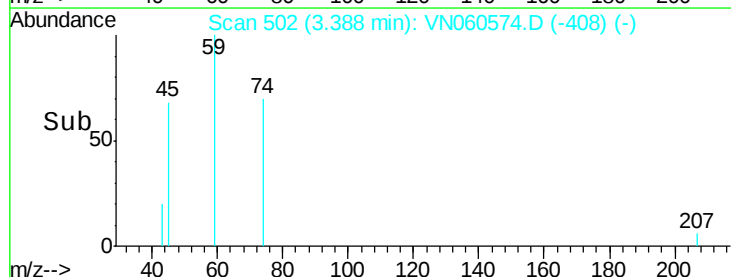
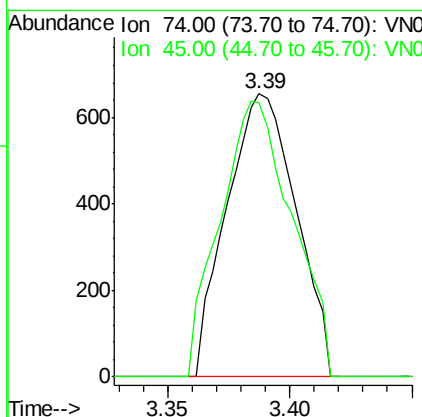
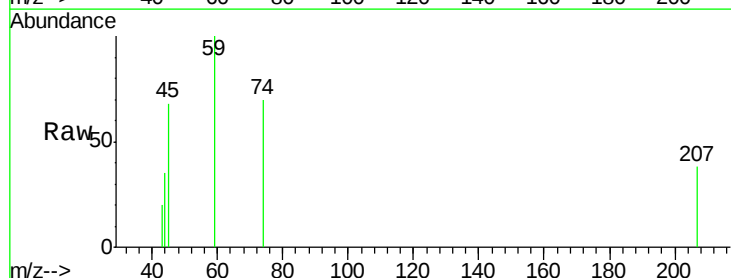
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#8

Diethyl Ether
 Concen: 0.901 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
74	100		
45	101.4	51.3	153.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.887 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

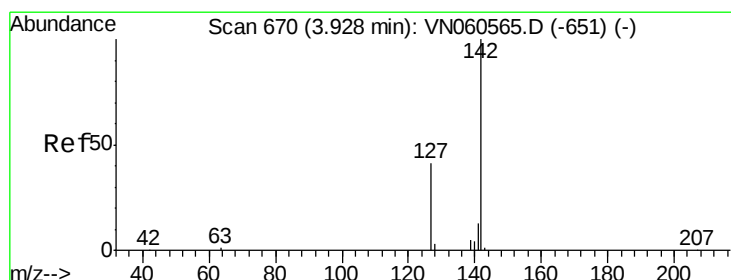
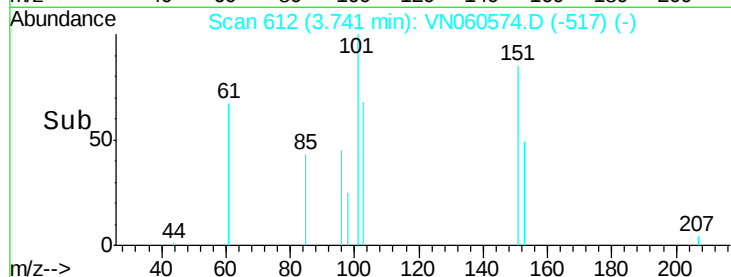
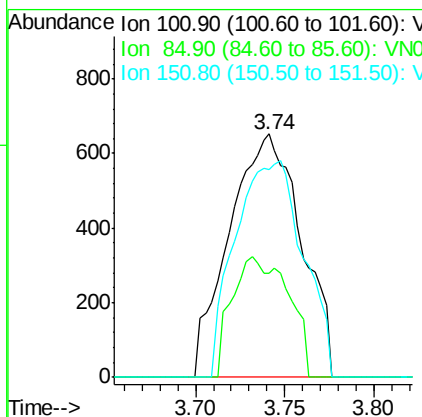
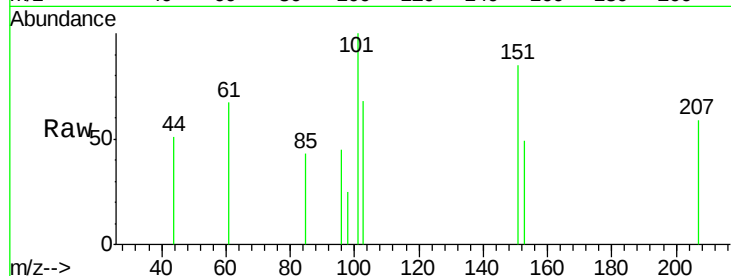
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	101	Resp:	1830
Ion Ratio	Lower	Upper	
101	100		
85	39.0	35.6	53.4
151	84.3	61.4	92.2

Manual Integrations
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#10

Methyl Iodide

Concen: 0.965 ug/l m

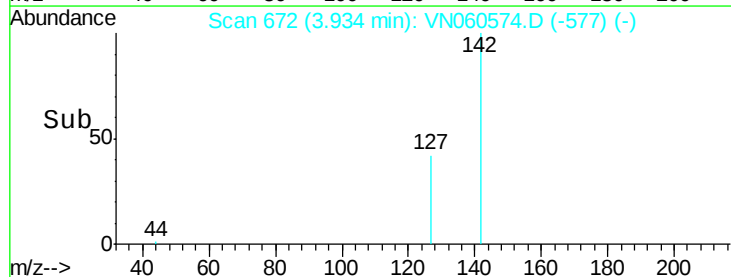
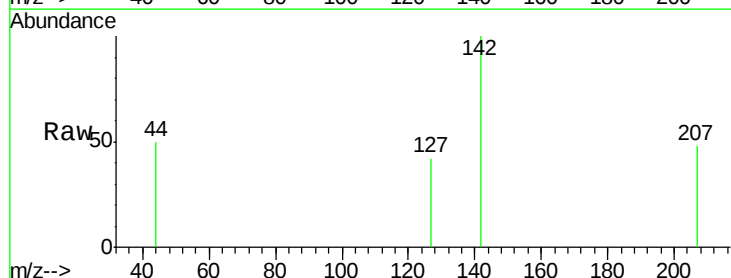
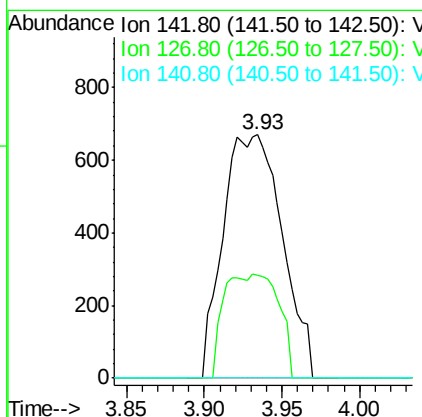
RT: 3.93 min Scan# 672

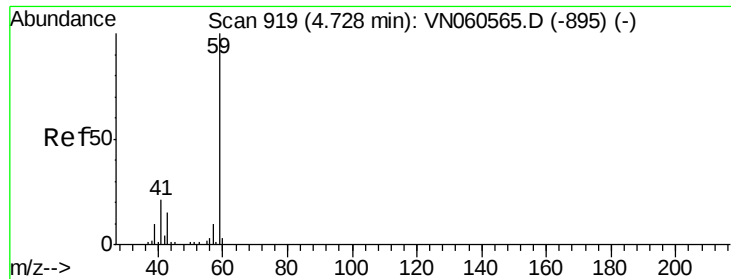
Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Tgt Ion:	142	Resp:	1772
Ion Ratio	Lower	Upper	
142	100		
127	18.7	33.5	50.3#
141	0.0	11.0	16.6#





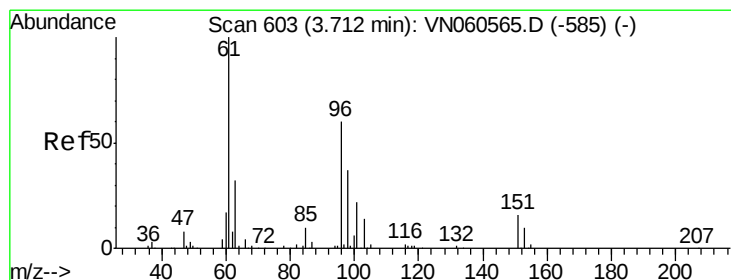
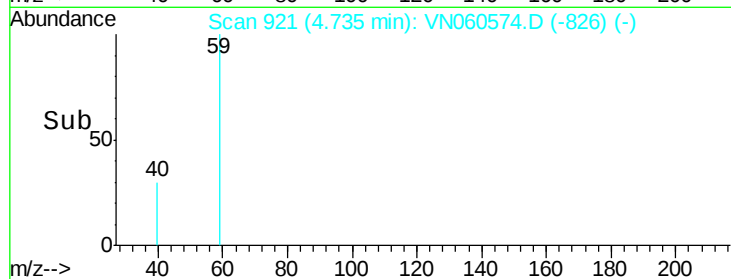
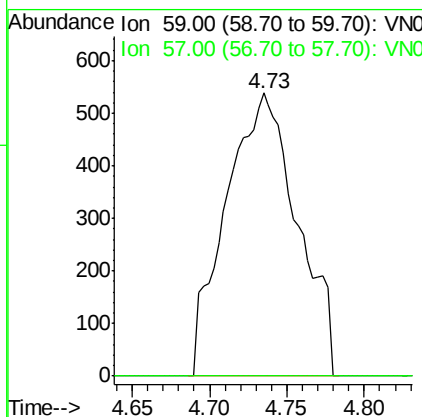
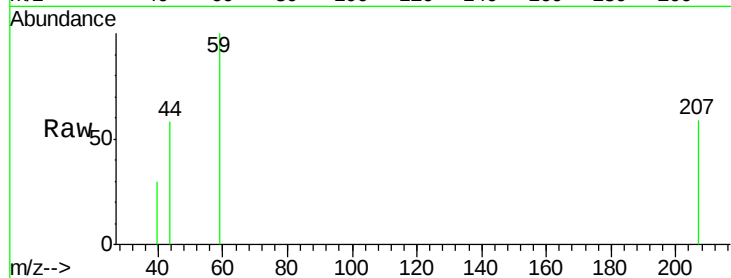
#11
Tert butyl alcohol
Concen: 4.186 ug/l
RT: 4.73 min Scan# 921
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 59 Resp: 1728
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

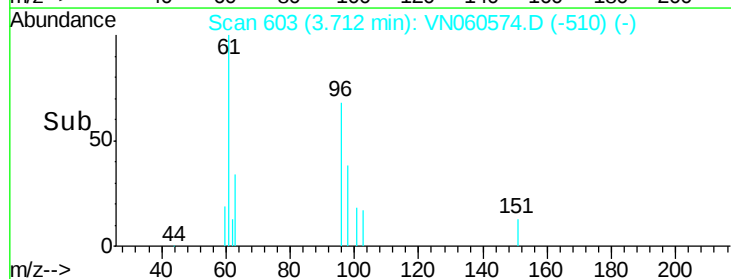
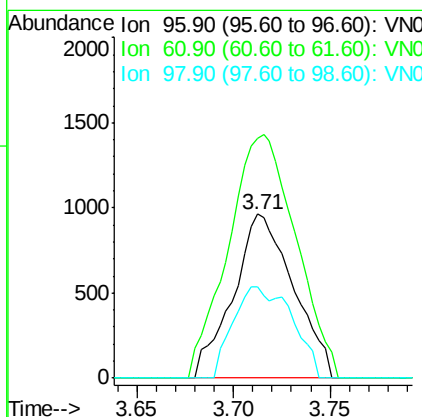
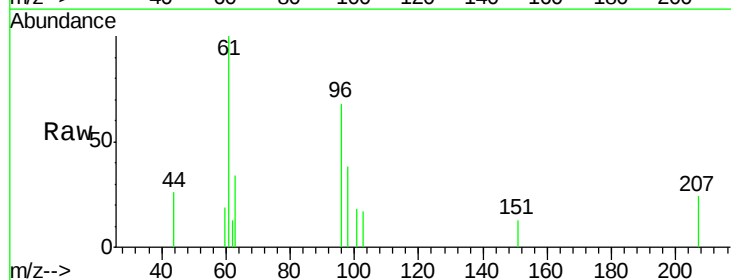
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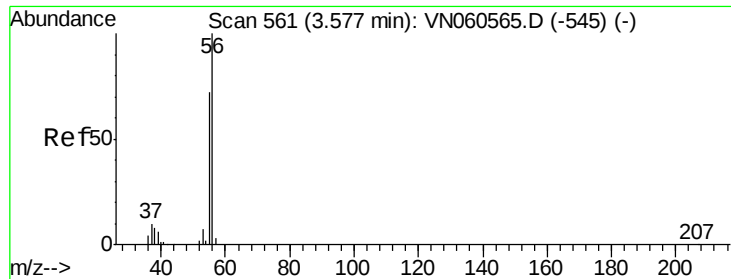
MMDadoda
3/19/2020 1:02:30 PM



#12
1,1-Dichloroethene
Concen: 0.941 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion: 96 Resp: 2083
Ion Ratio Lower Upper
96 100
61 146.1 134.1 201.1
98 55.9 49.9 74.9





#13

Acrolein

Concen: 3.600 ug/l

RT: 3.59 min Scan# 565

Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 56 Resp: 1647

Ion Ratio Lower Upper

56 100

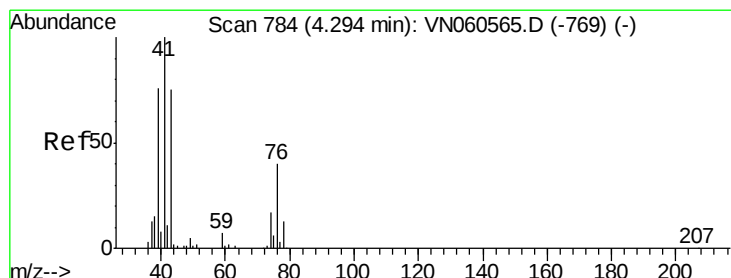
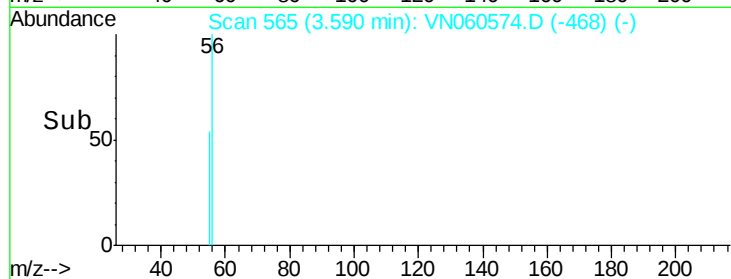
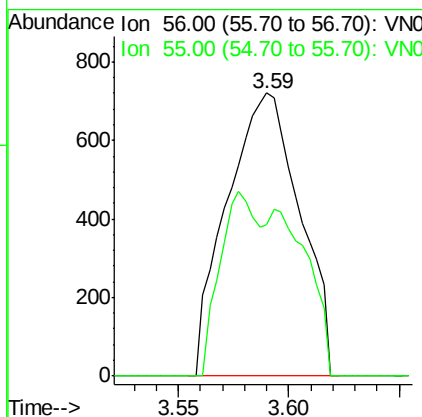
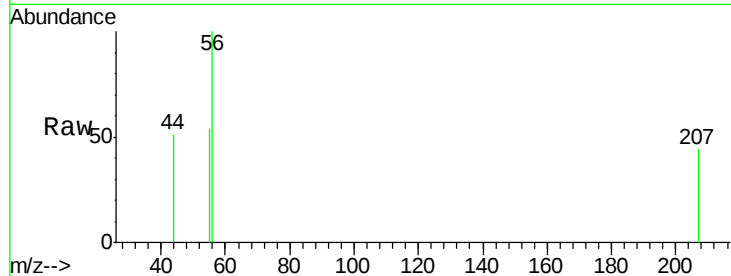
55 33.9 56.7 85.1#

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#14

Allyl chloride

Concen: 0.866 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

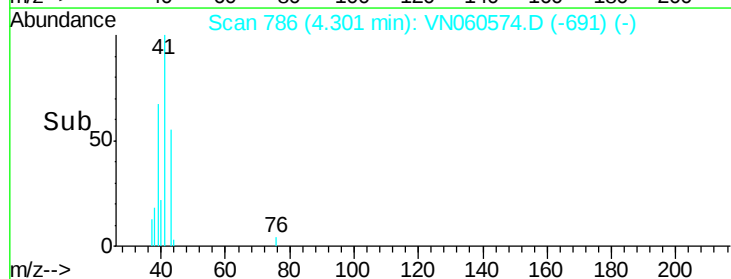
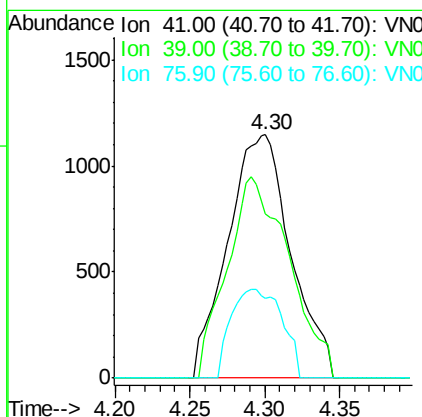
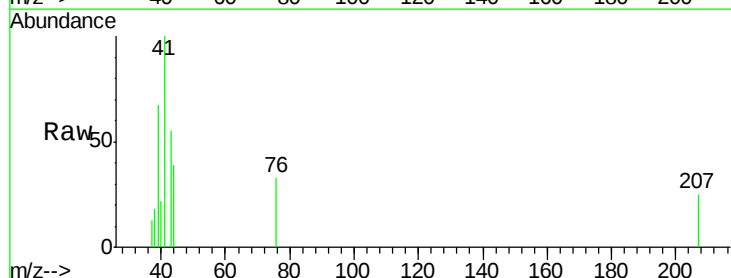
Tgt Ion: 41 Resp: 3372

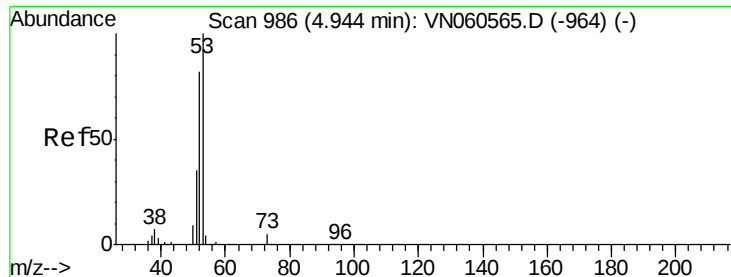
Ion Ratio Lower Upper

41 100

39 81.4 57.8 86.8

76 29.4 28.6 43.0





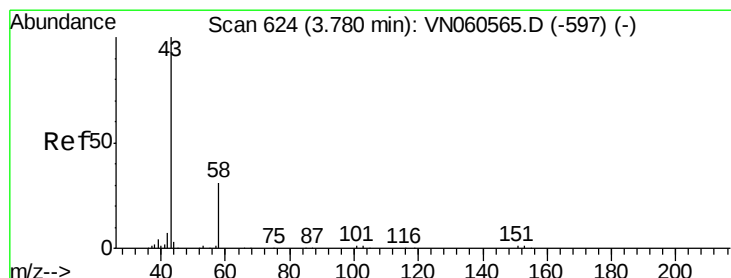
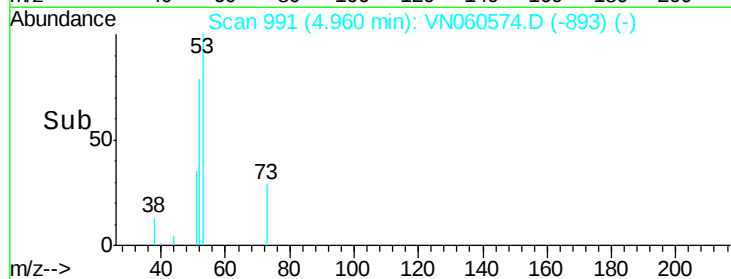
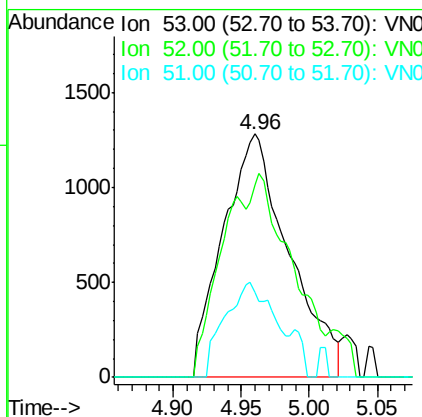
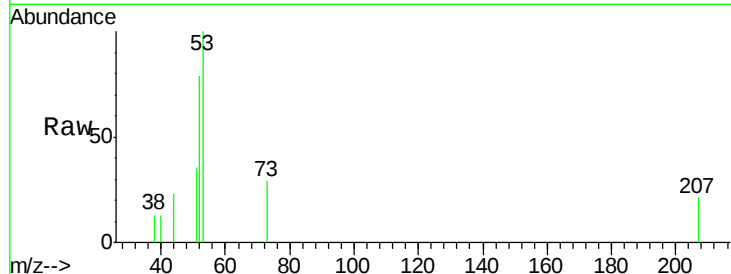
#15
 Acrylonitrile
 Concen: 3.534 ug/l
 RT: 4.96 min Scan# 991
 Delta R.T. 0.02 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
53	100		
52	34.2	66.2	99.4#
51	28.3	28.7	43.1#

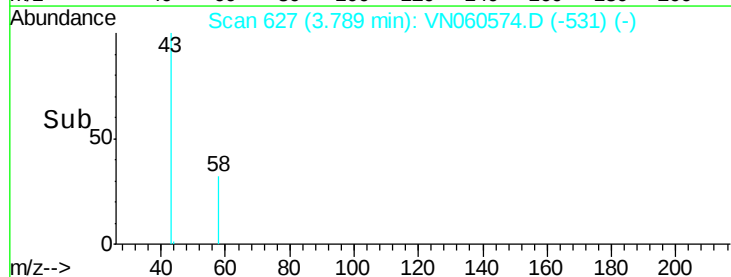
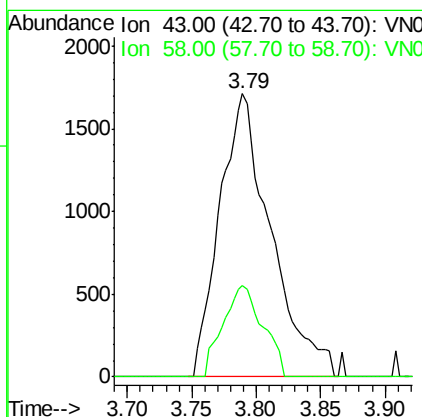
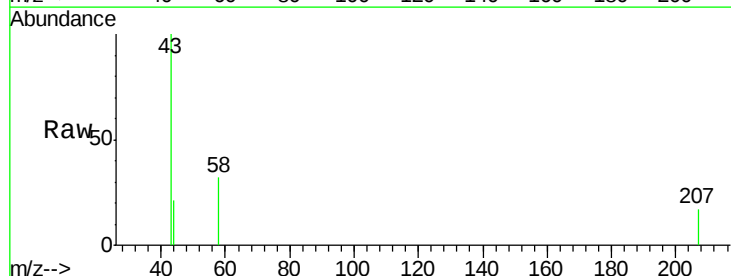
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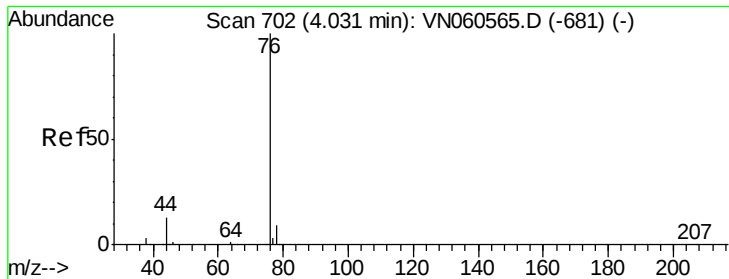
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#16
 Acetone
 Concen: 4.756 ug/l
 RT: 3.79 min Scan# 627
 Delta R.T. 0.01 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.4	25.1	37.7





#17

Carbon Disulfide

Concen: 1.047 ug/l

RT: 4.03 min Scan# 703

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 76 Resp: 7052

Ion Ratio Lower Upper

76 100

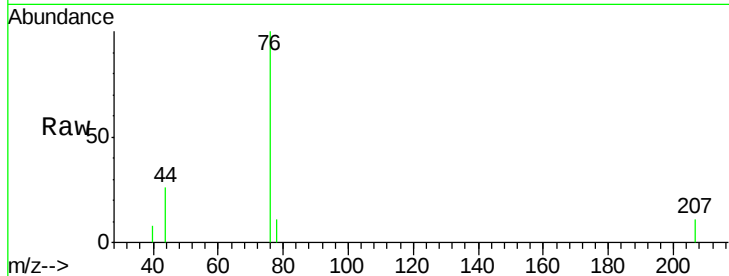
78 10.9 7.2 10.8#

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Abundance Ion 75.90 (75.60 to 76.60): VN060574.D (-681) (-)

Ion 77.90 (77.60 to 78.60): VN060574.D (-681) (-)

4.03

3000

2500

2000

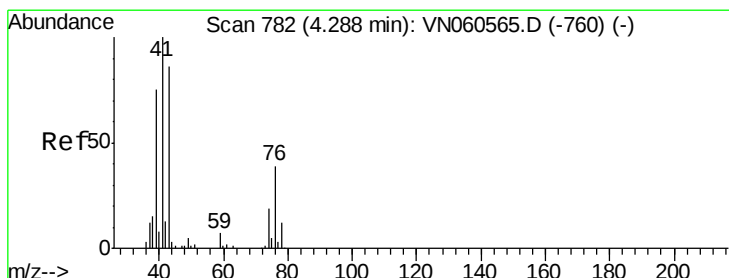
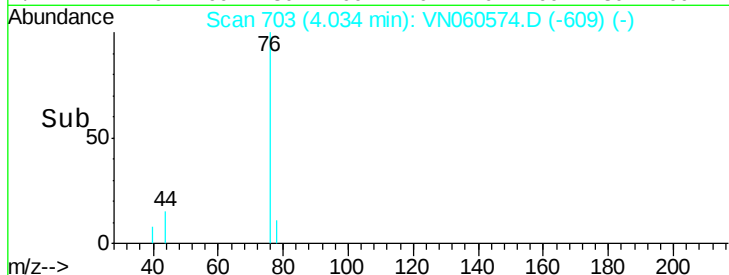
1500

1000

500

0

Time-->



#18

Methyl Acetate

Concen: 0.850 ug/l m

RT: 4.28 min Scan# 781

Delta R.T. -0.00 min

Lab File: VN060574.D

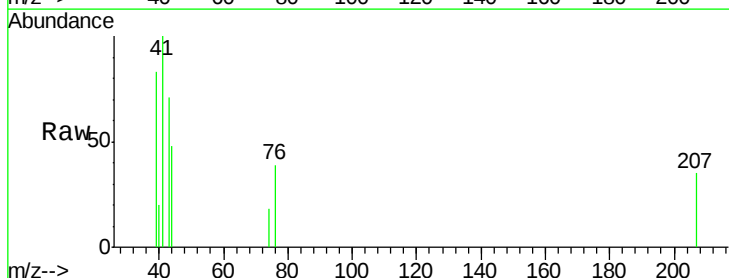
Acq: 17 Mar 2020 23:21

Tgt Ion: 43 Resp: 2379

Ion Ratio Lower Upper

43 100

74 8.0 17.5 26.3#



Abundance Ion 43.00 (42.70 to 43.70): VN060574.D (-689) (-)

Ion 74.00 (73.70 to 74.70): VN060574.D (-689) (-)

4.28

800

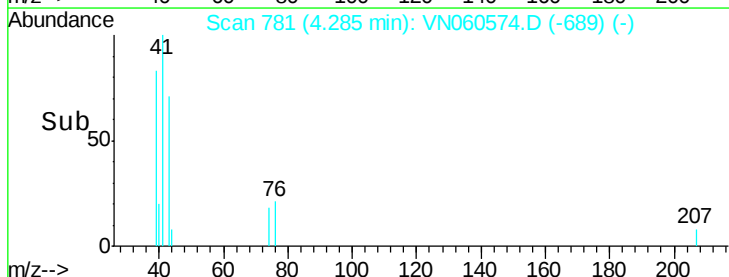
600

400

200

0

Time-->





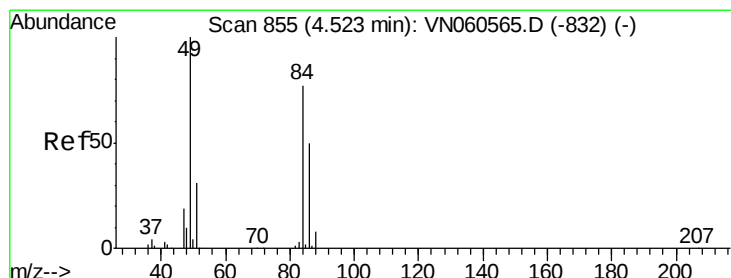
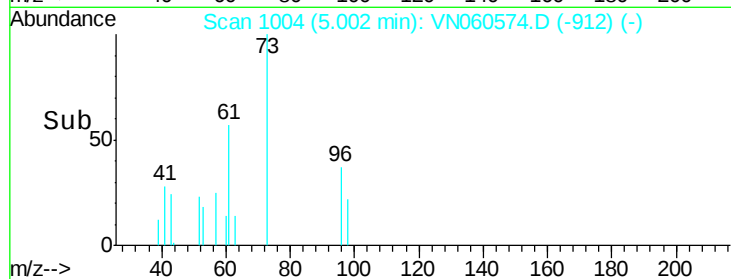
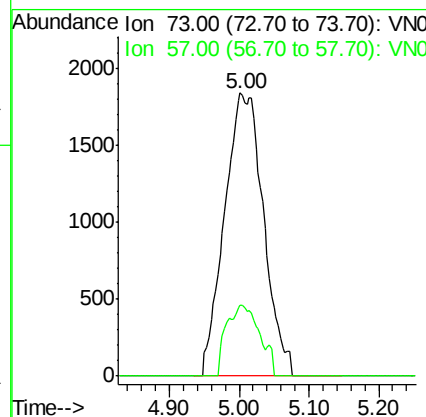
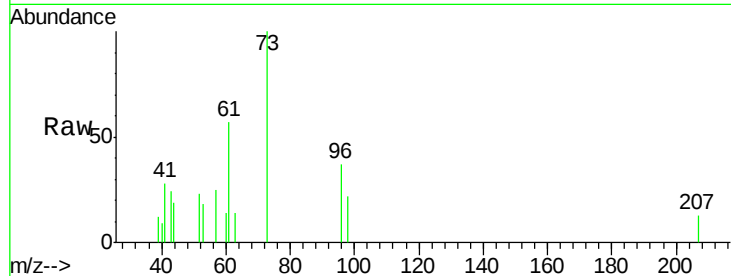
#19
Methvl tert-butvl Ether
Concen: 0.937 ug/l m
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 73 Resp: 7133
Ion Ratio Lower Upper
73 100
57 25.0 17.5 26.3

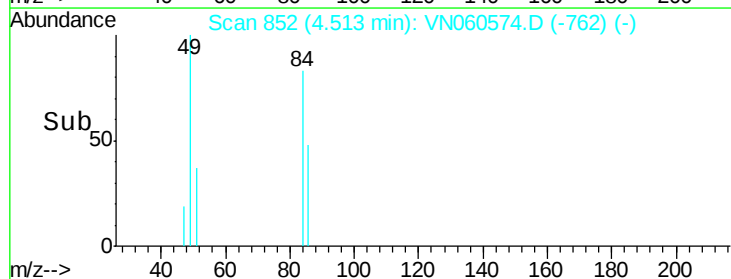
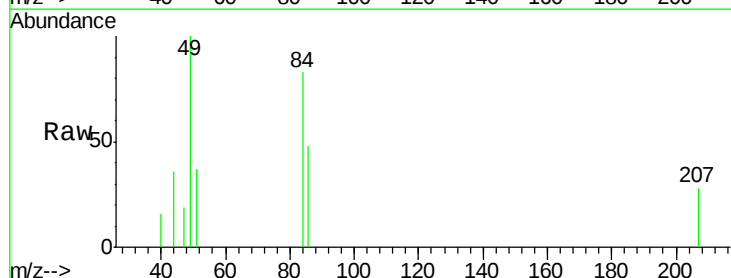
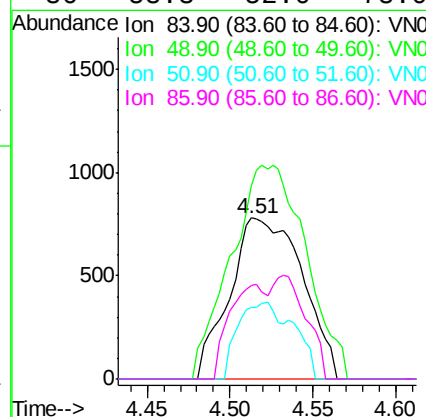
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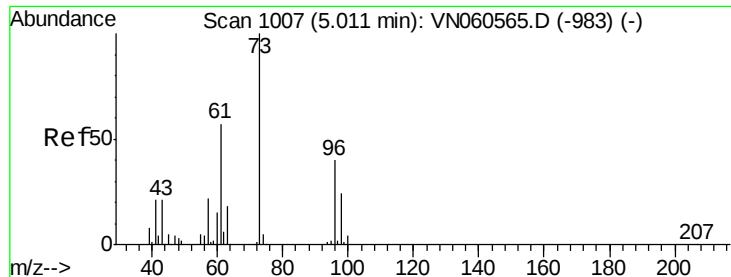
MMDadoda
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#20
Methylene Chloride
Concen: 0.974 ug/l
RT: 4.51 min Scan# 852
Delta R.T. -0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion: 84 Resp: 2383
Ion Ratio Lower Upper
84 100
49 120.3 103.3 154.9
51 44.5 31.6 47.4
86 58.3 52.0 78.0





#21

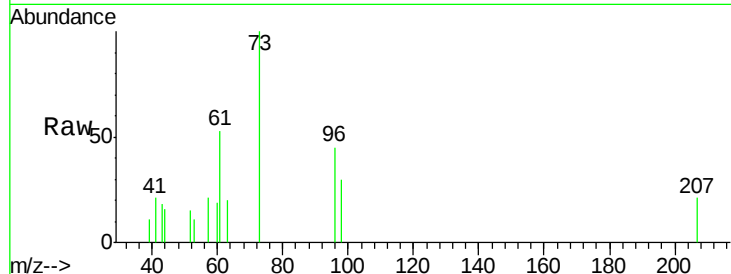
trans-1,2-Dichloroethene
Concen: 1.016 ug/l m
RT: 5.02 min Scan# 1010
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

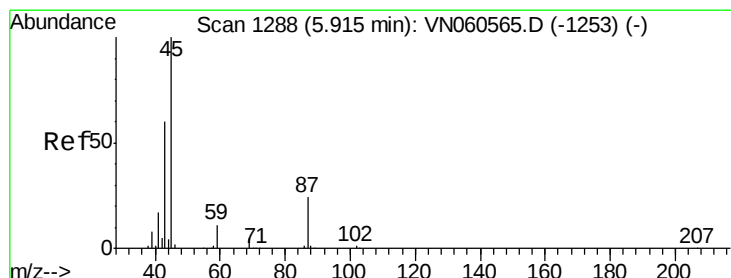
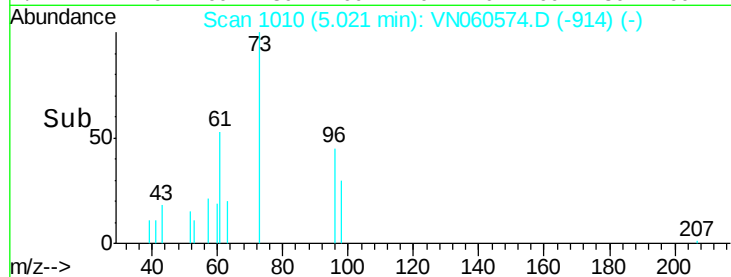
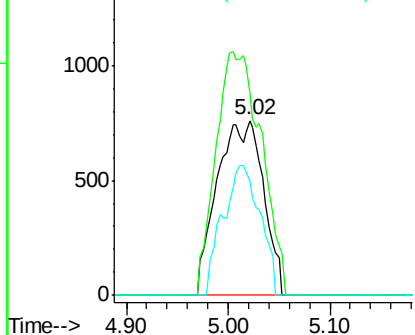
Tot Ion	Ratio	Lower	Upper
96	100		
61	115.8	114.4	171.6
98	65.4	48.4	72.6

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Abundance Ion 95.90 (95.60 to 96.60): VNC
Ion 60.90 (60.60 to 61.60): VNC
Ion 97.90 (97.60 to 98.60): VNC

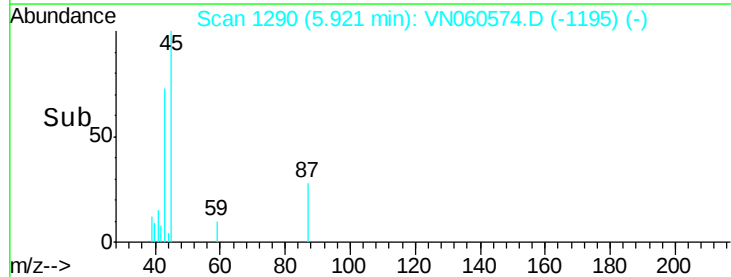
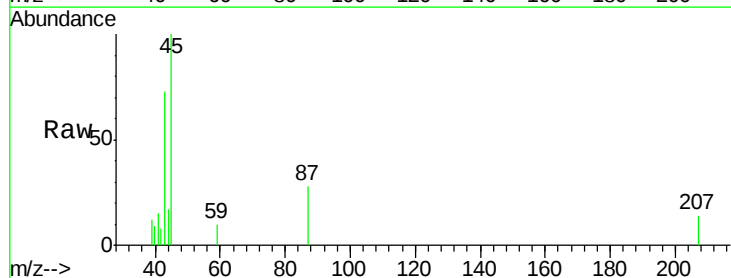
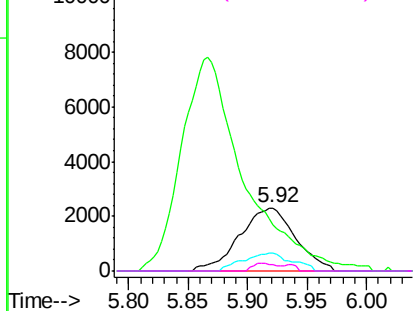


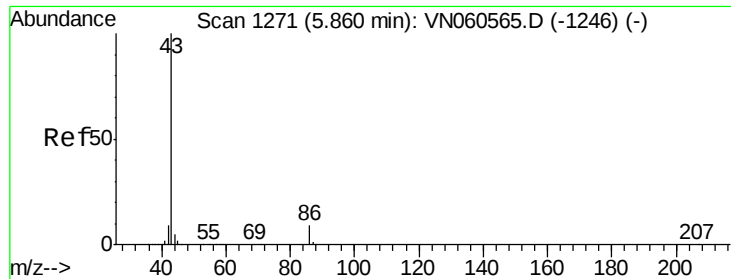
#22

Diisopropyl ether
Concen: 0.909 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.4	49.8	74.8
87	28.4	20.1	30.1
59	9.7	9.2	13.8

Abundance Ion 45.00 (44.70 to 45.70): VNC
Ion 43.00 (42.70 to 43.70): VNC
Ion 87.00 (86.70 to 87.70): VNC
Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 4.254 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 28554

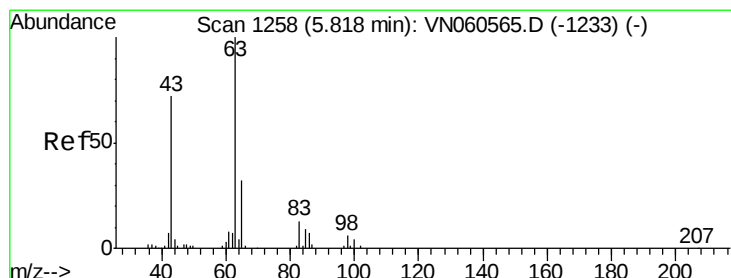
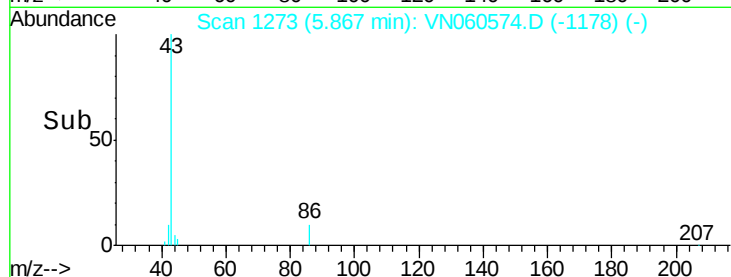
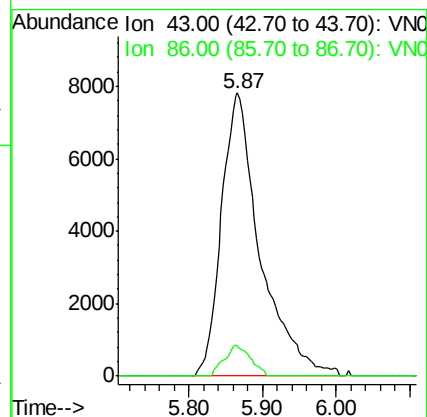
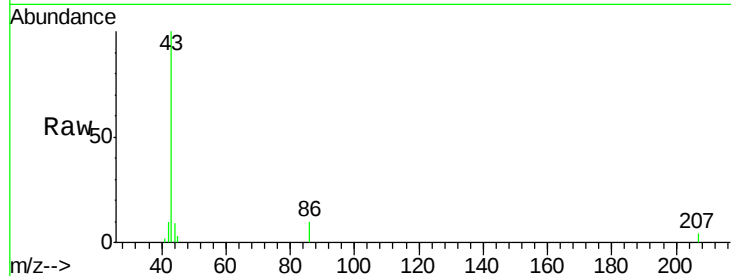
Ion Ratio Lower Upper

43 100

86 10.4 7.6 11.4

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#24

1,1-Dichloroethane

Concen: 0.969 ug/l

RT: 5.82 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

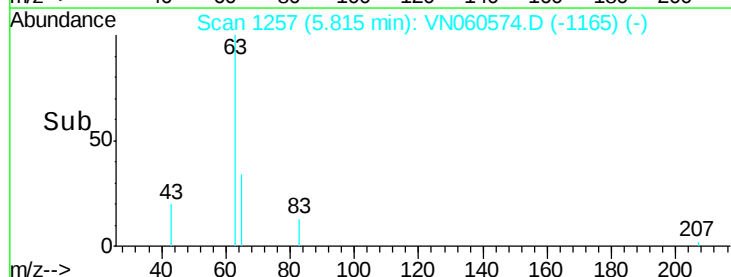
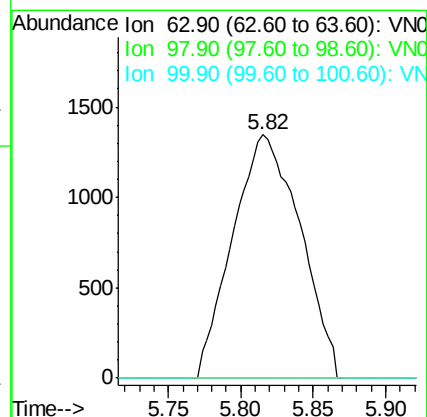
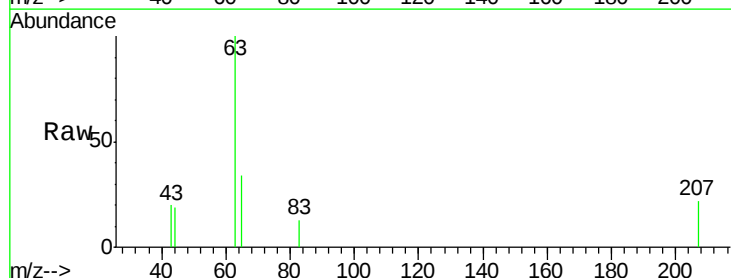
Tgt Ion: 63 Resp: 4346

Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.7#

100 0.0 1.8 5.5#





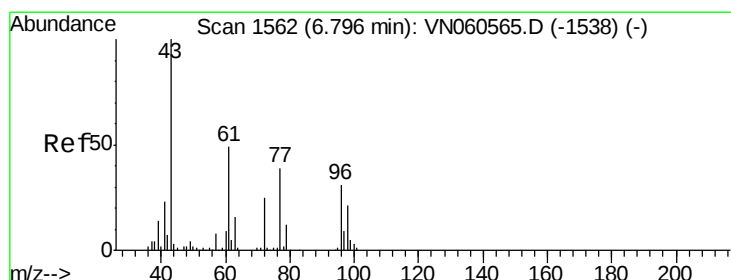
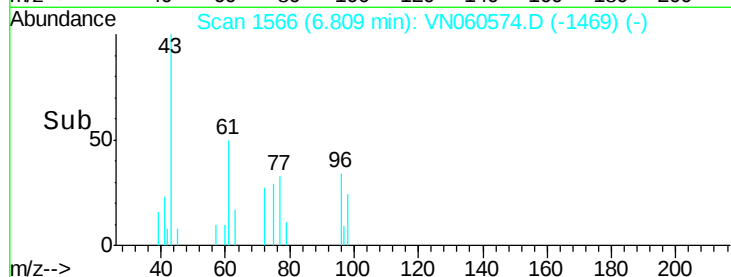
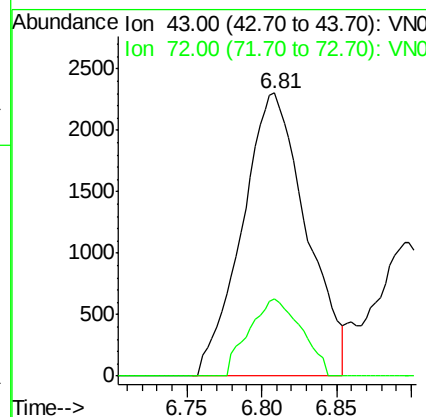
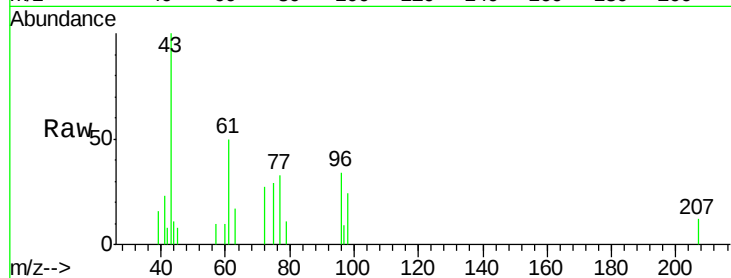
#25
2-Butanone
Concen: 4.266 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 6863
Ion Ratio Lower Upper
43 100
72 27.3 20.4 30.6

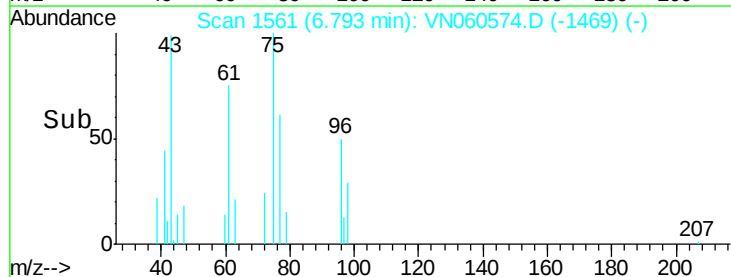
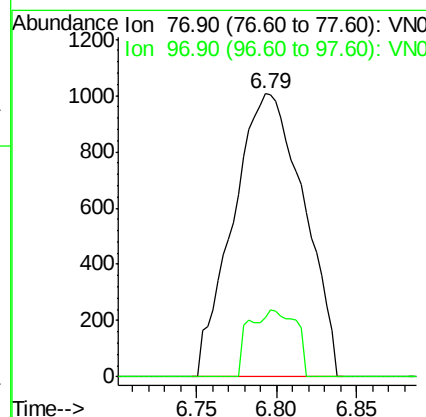
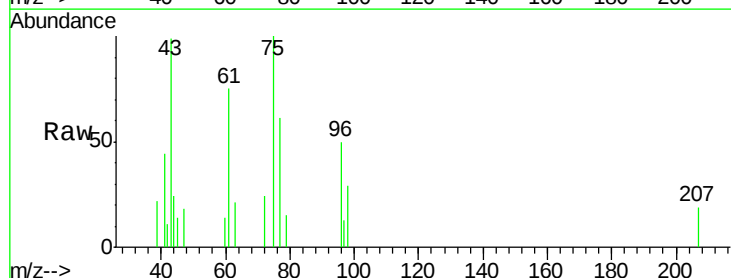
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#26
2,2-Dichloropropane
Concen: 0.865 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion: 77 Resp: 3051
Ion Ratio Lower Upper
77 100
97 15.5 11.4 34.1





#27

cis-1,2-Dichloroethene

Concen: 1.014 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN060574.D

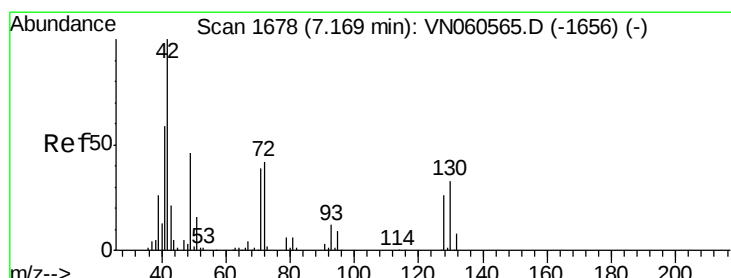
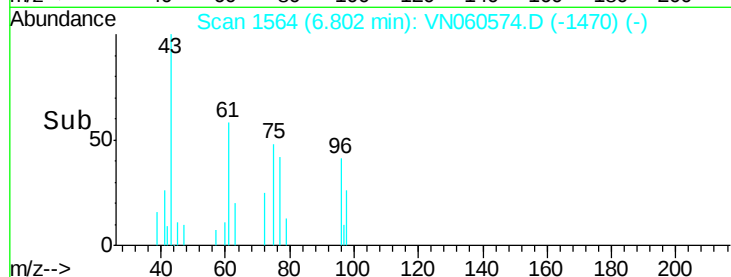
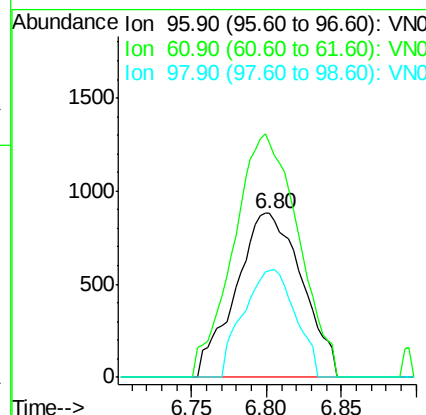
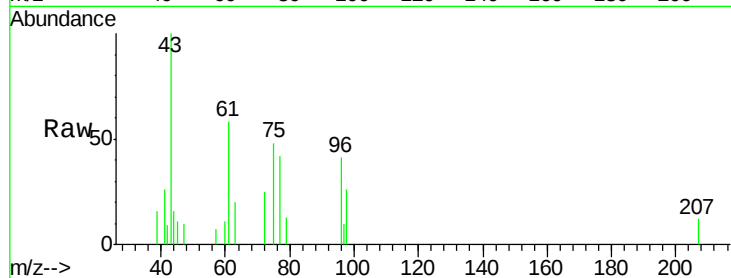
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
96	100		
61	144.7	0.0	305.6
98	51.5	0.0	127.6

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#28

Bromochloromethane

Concen: 0.993 ug/l

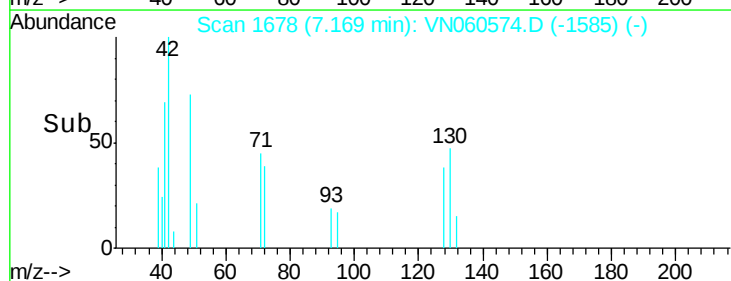
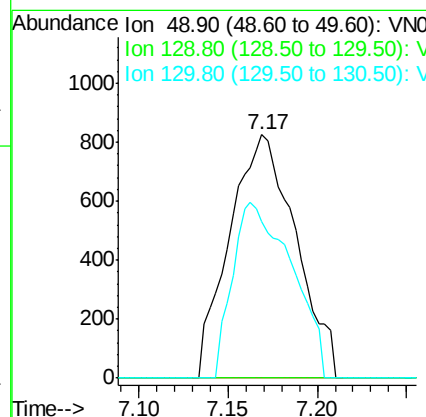
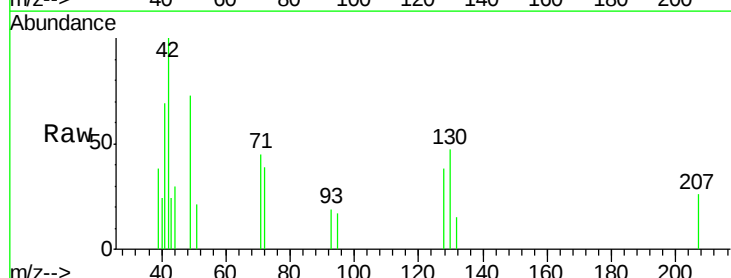
RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.4
130	64.6	55.0	82.4





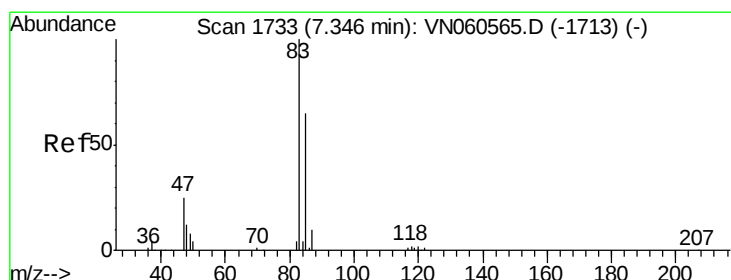
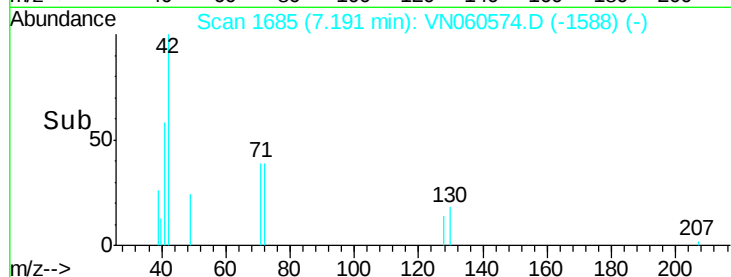
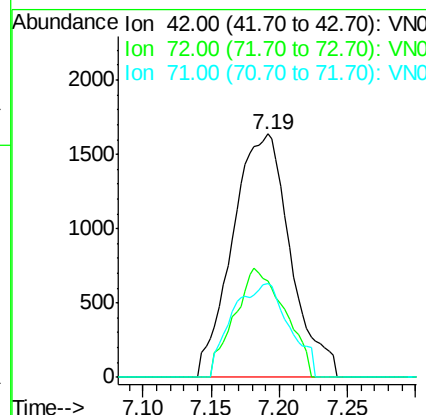
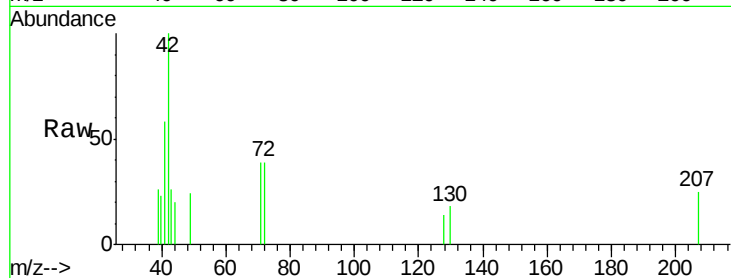
#29
Tetrahydrofuran
Concen: 4.242 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.9	33.2	49.8
71	37.9	31.1	46.7

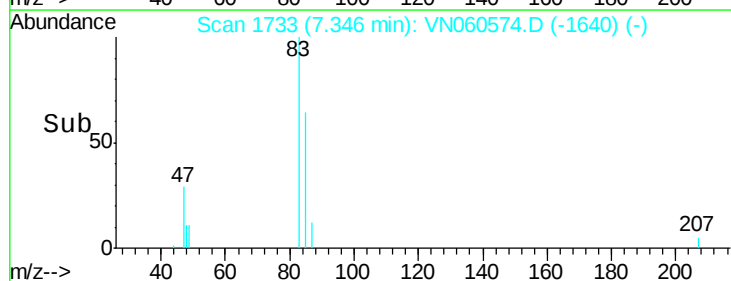
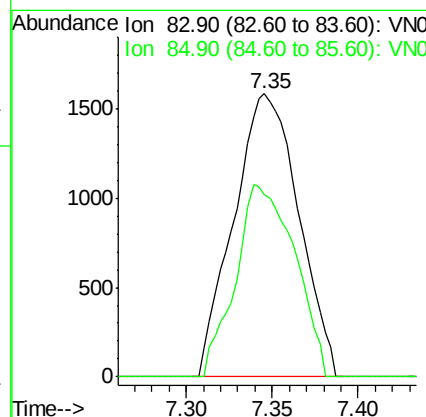
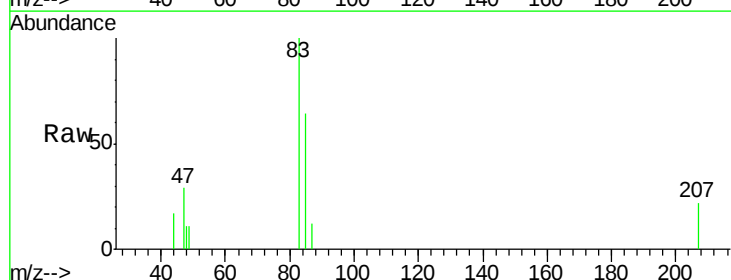
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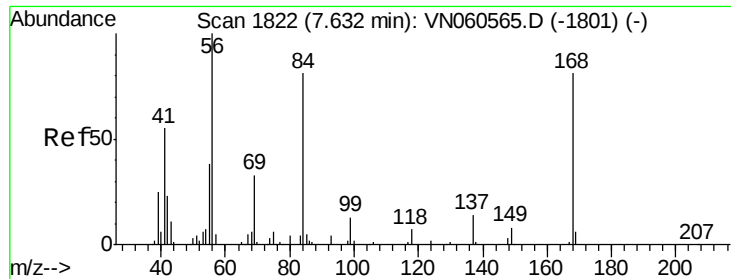
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3/19/2020 1:02:30 PM



#30
Chloroform
Concen: 0.966 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.4	51.8	77.8





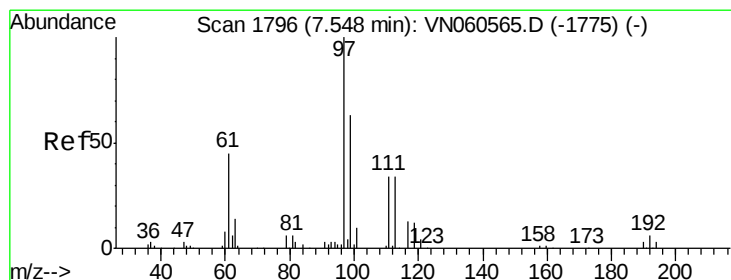
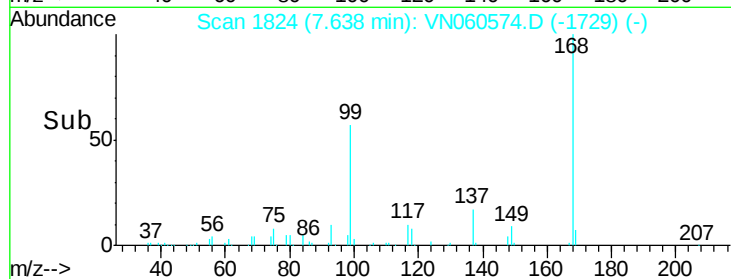
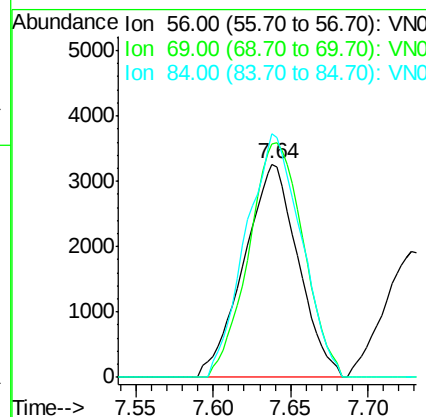
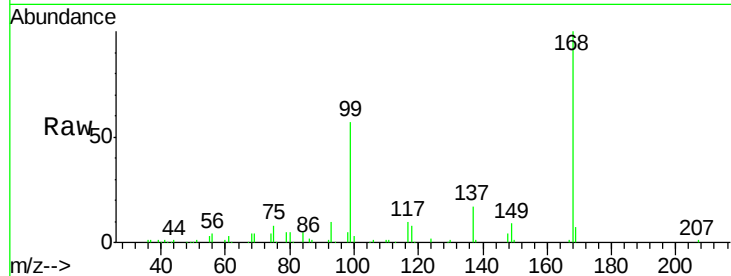
#31
Cyclohexane
Concen: 1.761 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
56	100		
69	109.6	26.6	40.0#
84	114.2	64.3	96.5#

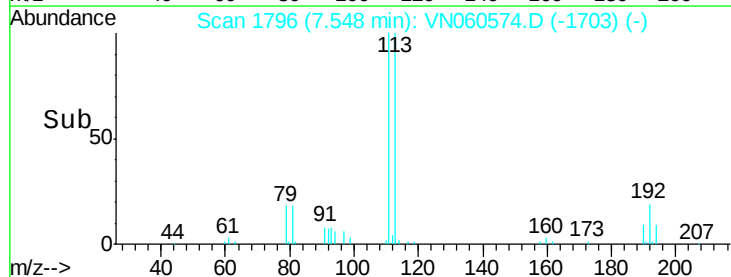
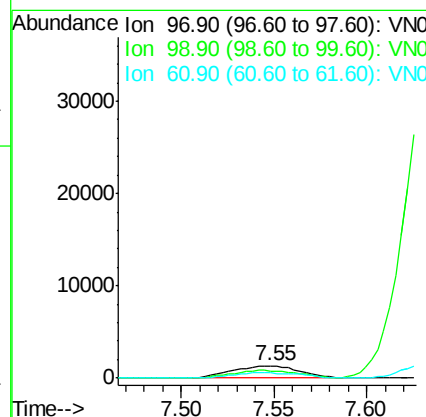
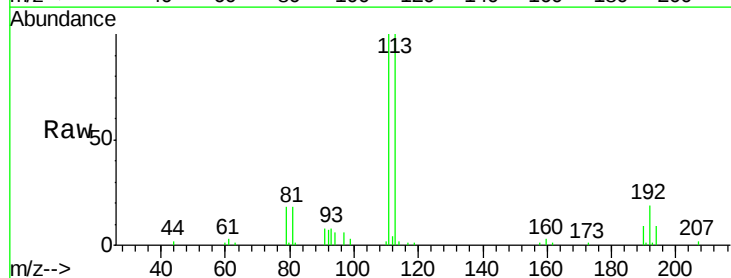
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#32
1,1,1-Trichloroethane
Concen: 0.899 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.6	75.8#
61	42.9	36.2	54.4





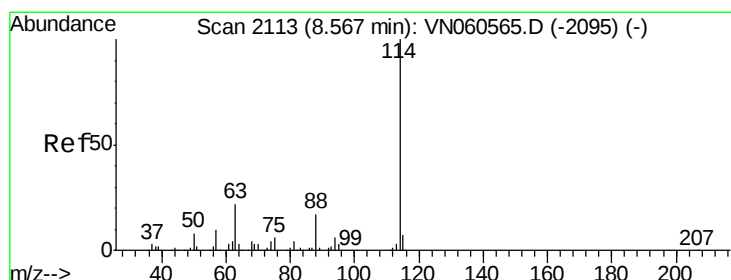
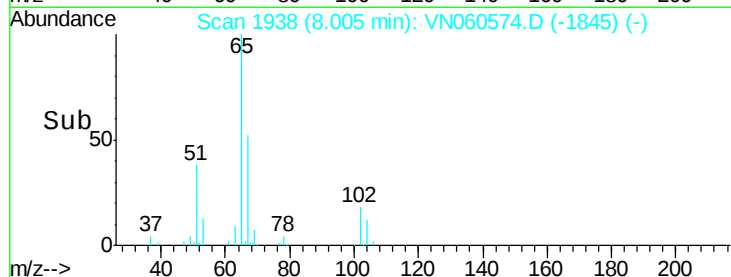
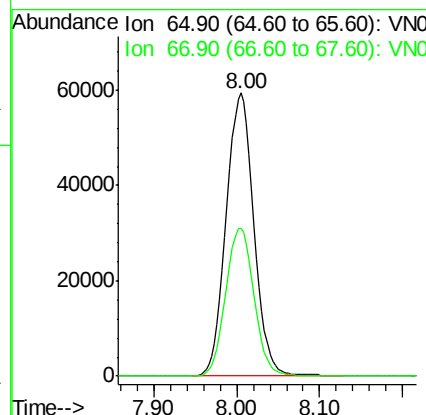
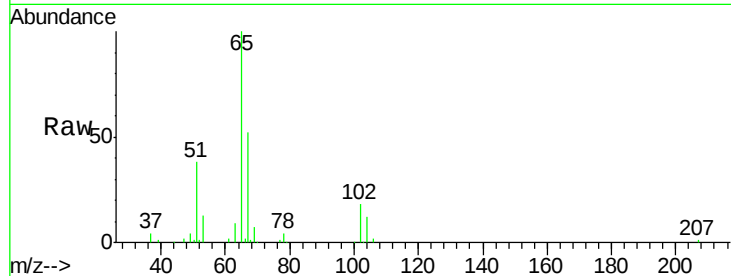
#33
 1,2-Dichloroethane-d4
 Concen: 49.314 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	53.1	0.0	107.6	

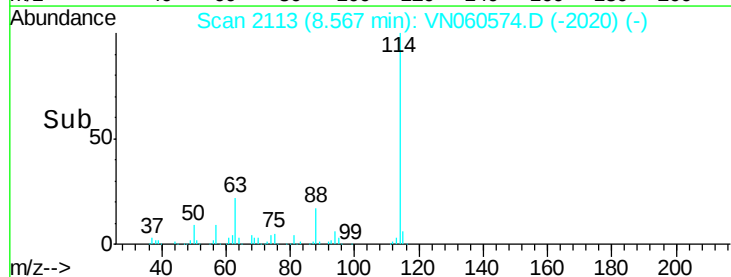
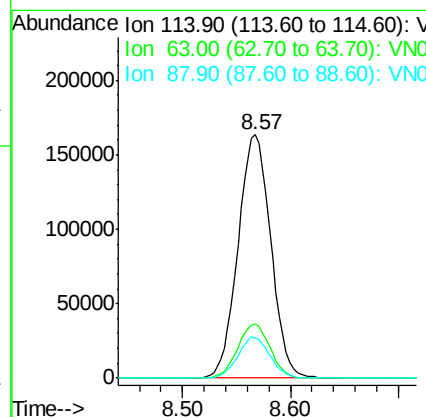
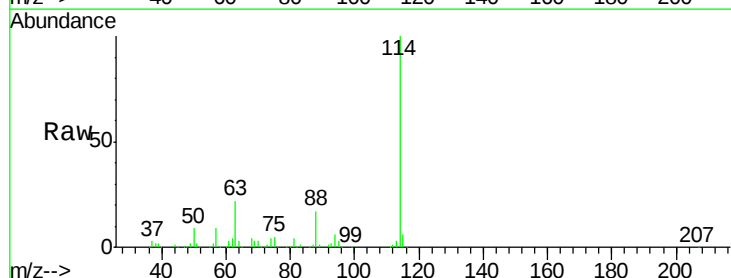
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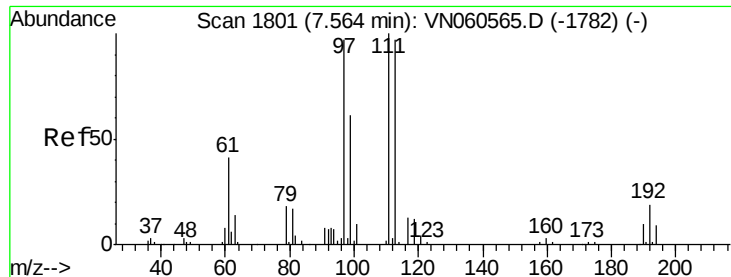
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	22.0	0.0	43.8	
88	16.7	0.0	33.0	





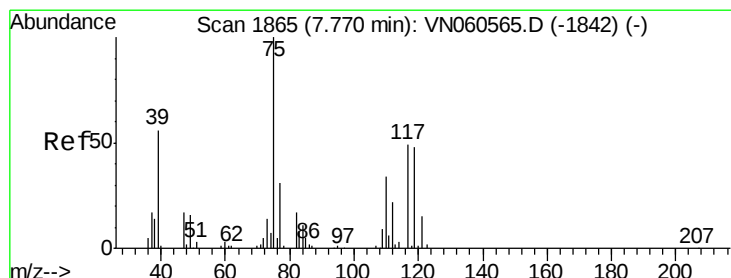
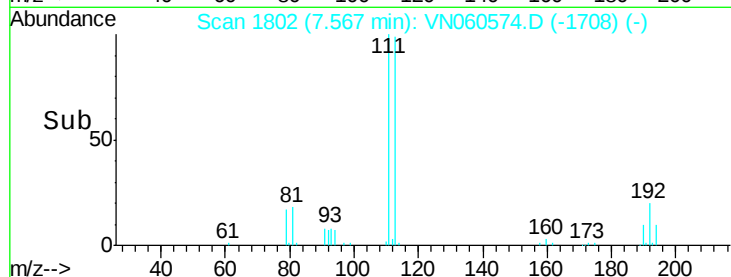
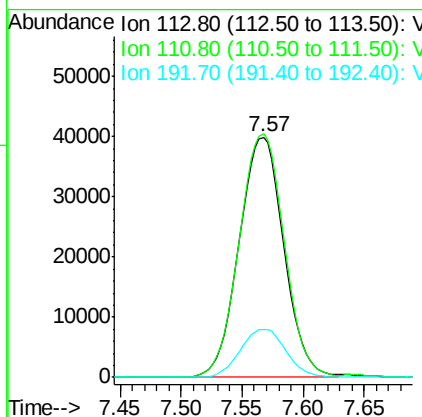
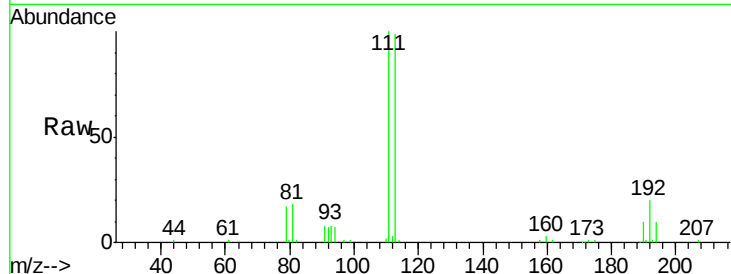
#35
 Dibromofluoromethane
 Concen: 48.306 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100	101205		
111	102.3	82.9	124.3	
192	20.3	15.8	23.8	

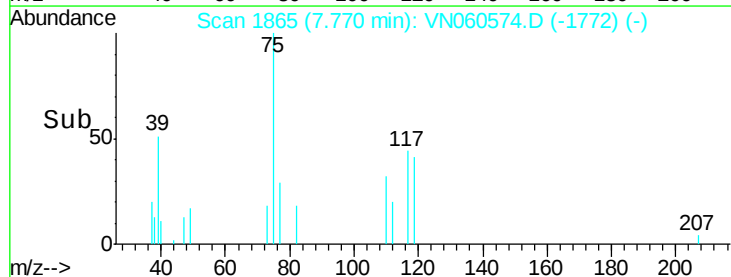
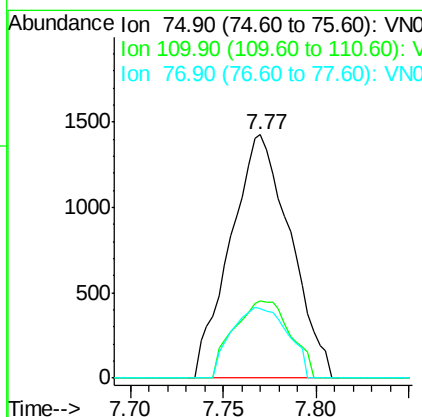
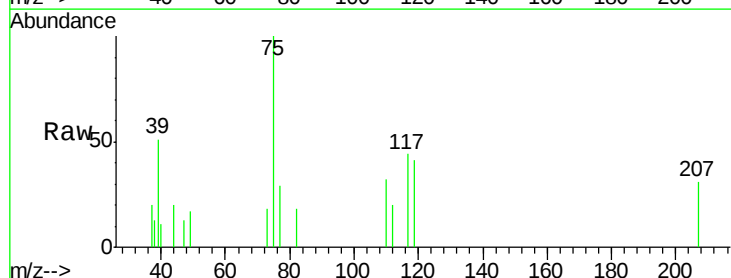
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#36
 1,1-Dichloropropene
 Concen: 0.956 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	3209		
110	30.1	16.9	50.6	
77	27.3	24.6	36.8	





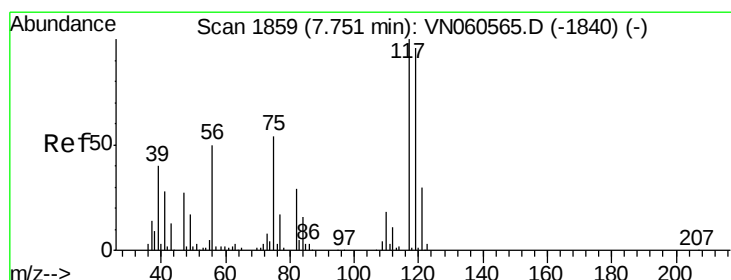
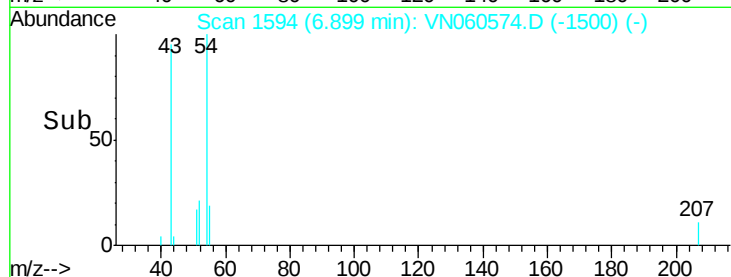
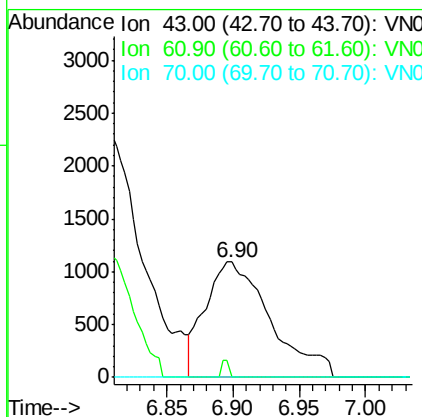
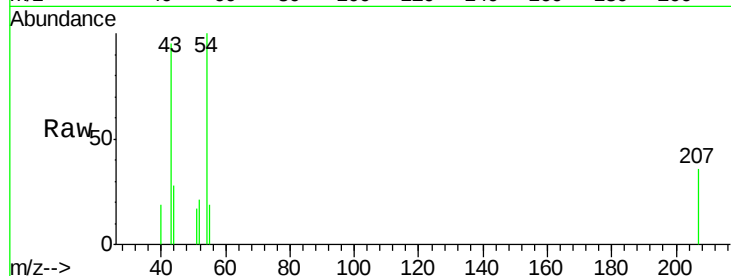
#37
Ethyl Acetate
Concen: 1.030 ug/l
RT: 6.90 min Scan# 1594
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.6	15.8#
70	0.0	7.9	11.9#

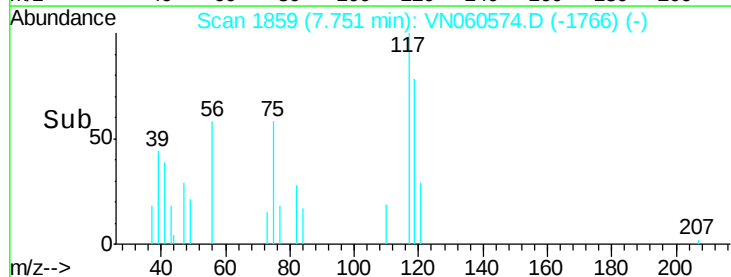
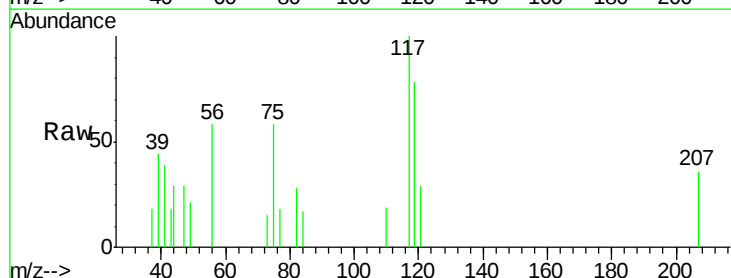
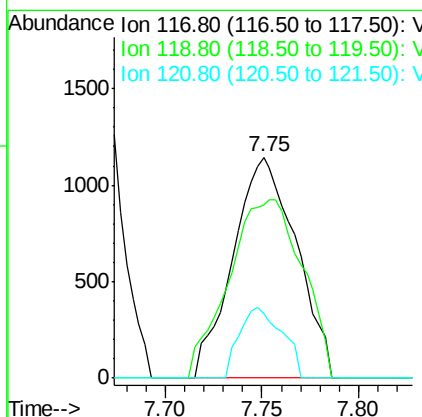
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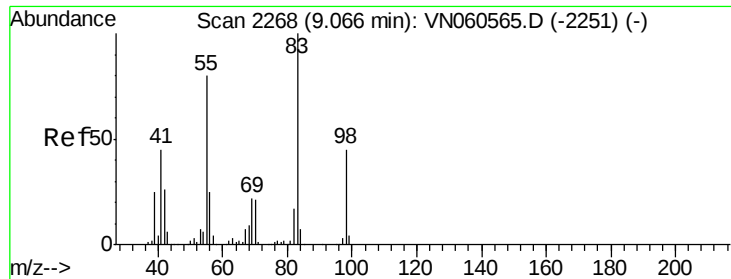
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#38
Carbon Tetrachloride
Concen: 0.865 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.3	76.2	114.2
121	29.4	23.7	35.5





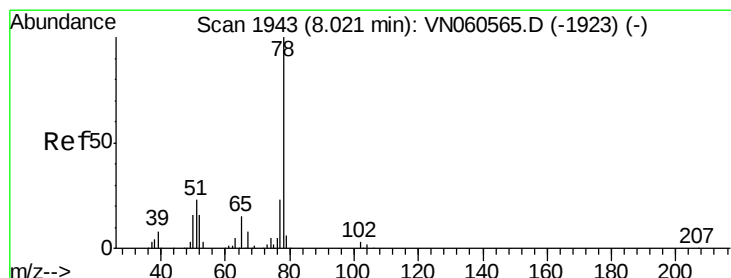
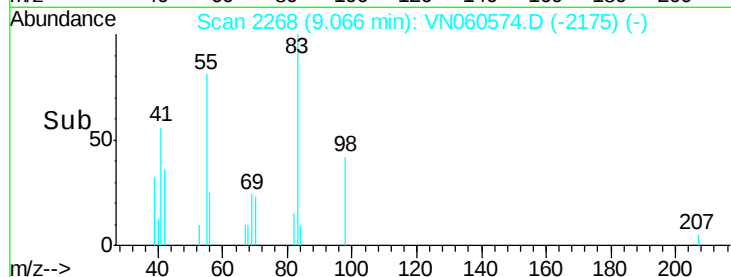
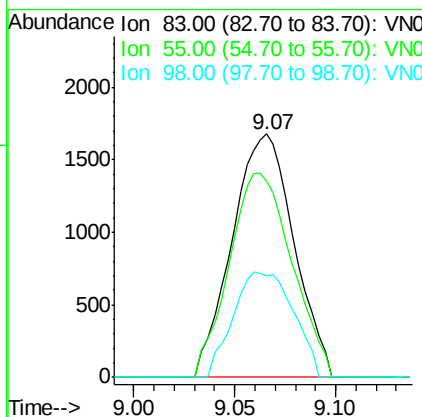
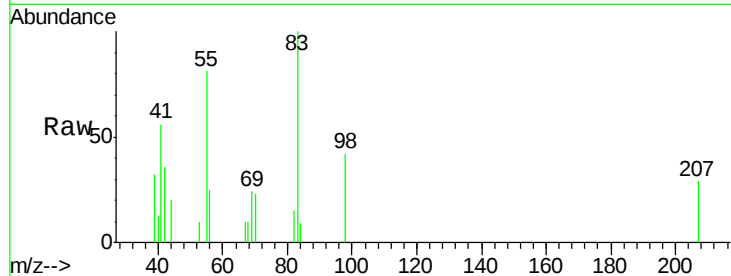
#39
Methvlcvclohexane
Concen: 0.897 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
83	100		
55	80.9	63.6	95.4
98	41.9	36.0	54.0

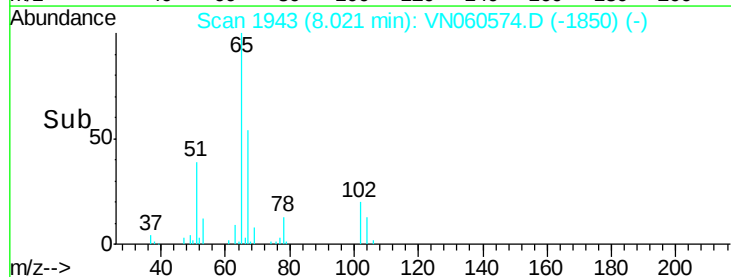
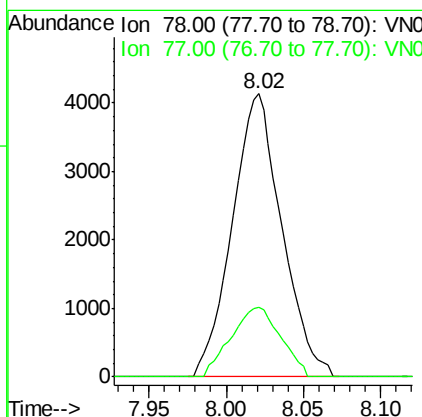
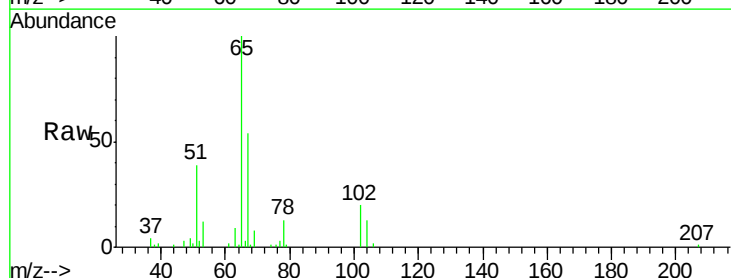
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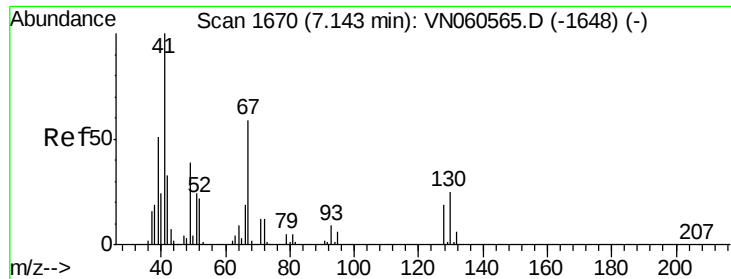
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#40
Benzene
Concen: 0.909 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.8	18.6	28.0





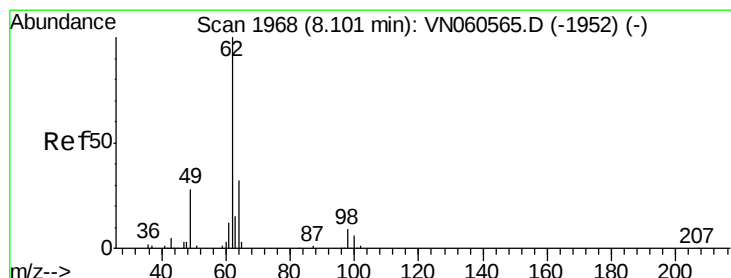
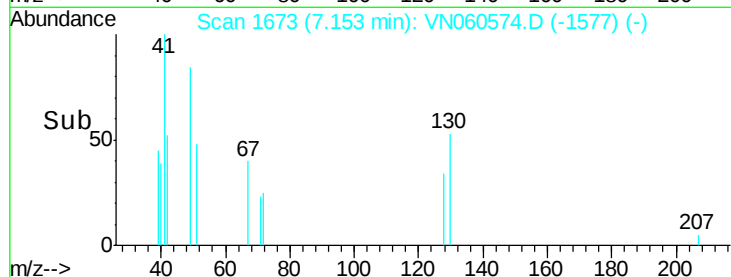
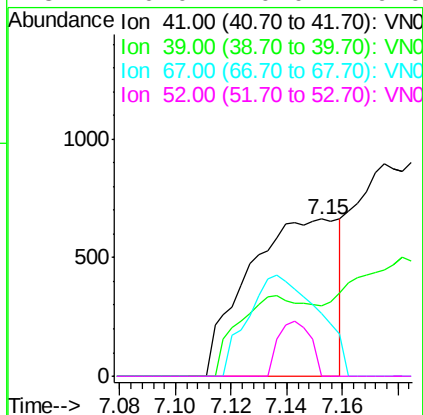
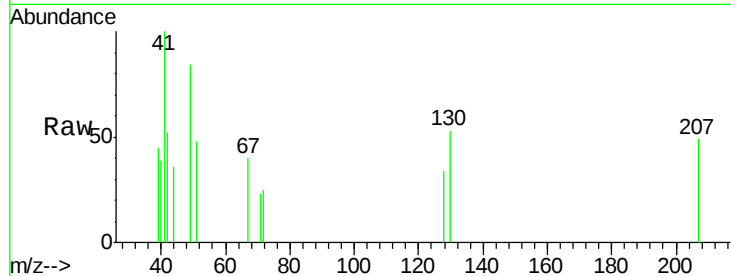
#41
Methacrylonitrile
Concen: 0.973 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.01 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ion	Ratio	Resp	Lower	Upper
41	100				
39	96.9	0.0	0.0		
67	0.0	0.0	0.0		
52	0.0	0.0	0.0		

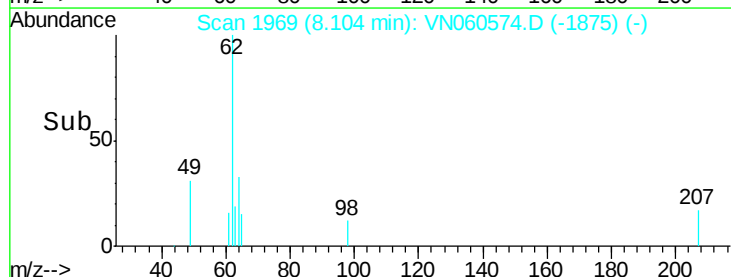
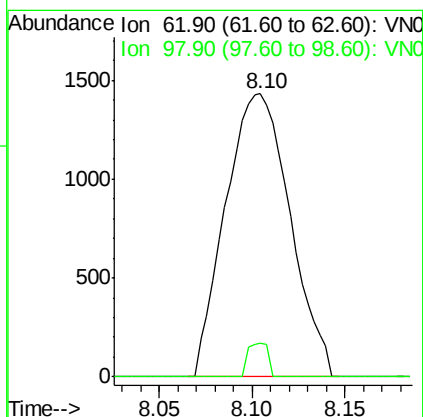
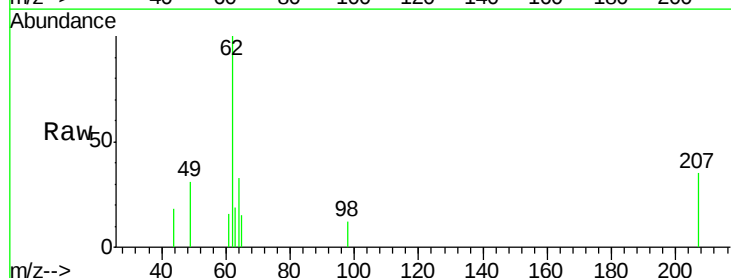
Manual Integrations
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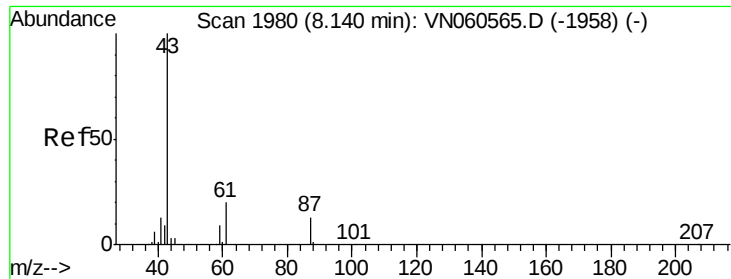
MMDadoda
3/19/2020 1:02:30 PM



#42
1,2-Dichloroethane
Concen: 0.999 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
62	100				
98	3.6	0.0	17.8		





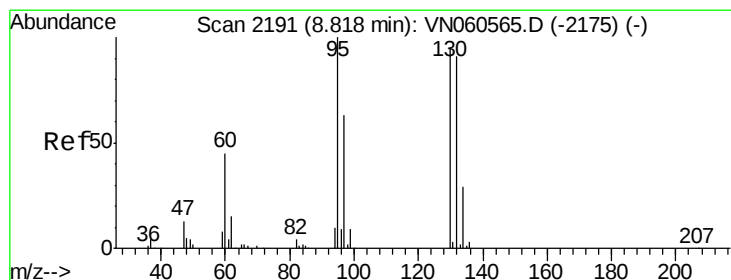
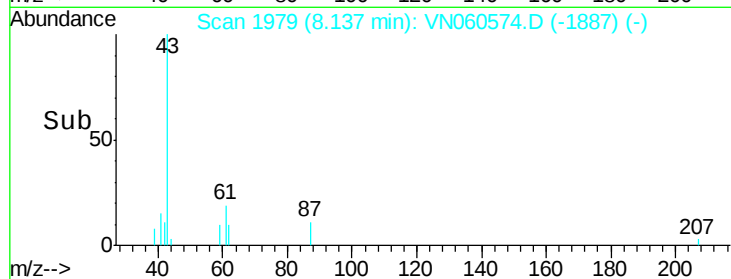
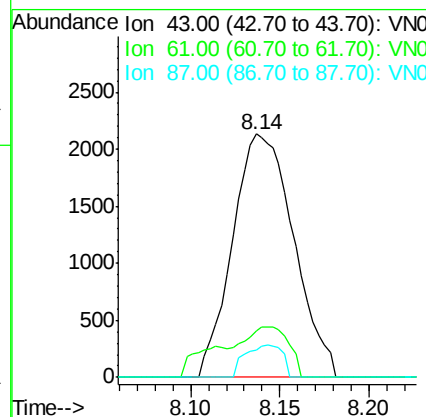
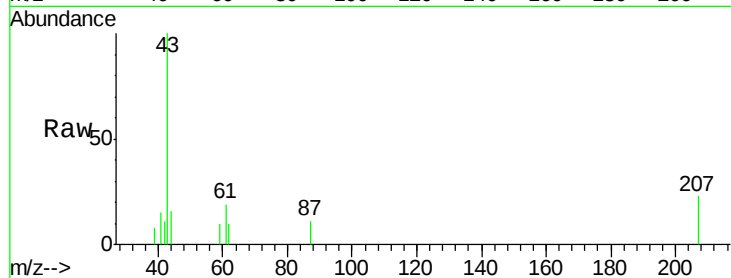
#43
Isopropyl Acetate
Concen: 0.852 ug/l
RT: 8.14 min Scan# 1979
Delta R.T. -0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	15.1	20.7	31.1#
87	8.2	9.8	14.8#

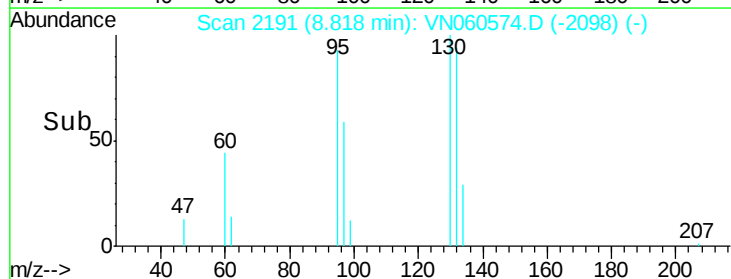
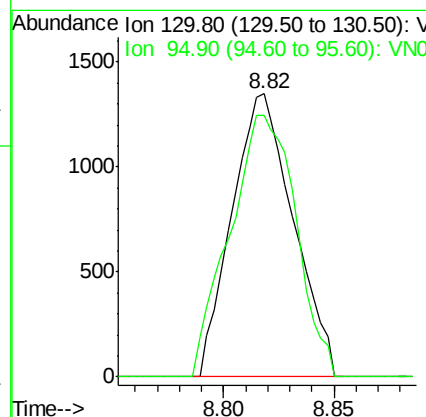
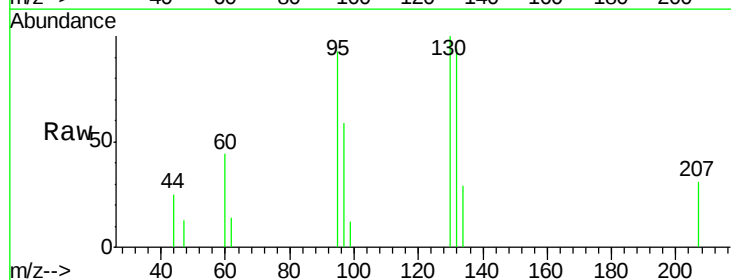
Manual Integrations
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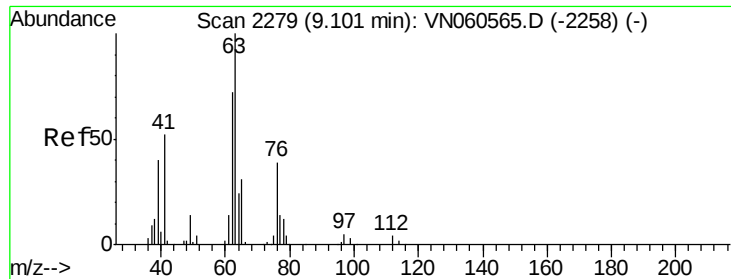
MMDadoda
3/19/2020 1:02:30 PM



#44
Trichloroethene
Concen: 1.016 ug/l
RT: 8.82 min Scan# 2191
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
130	100		
95	92.6	0.0	211.2





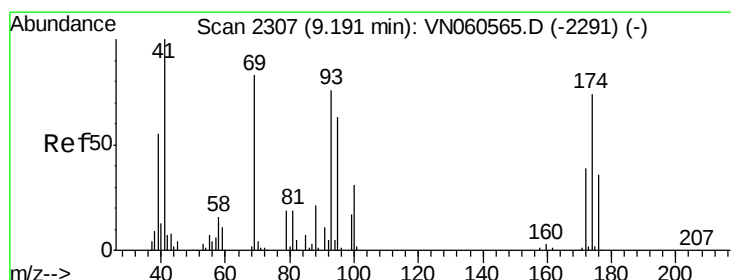
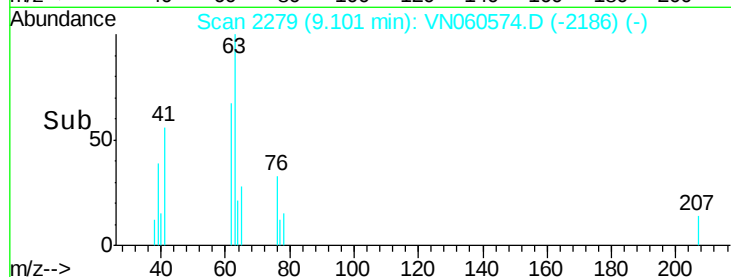
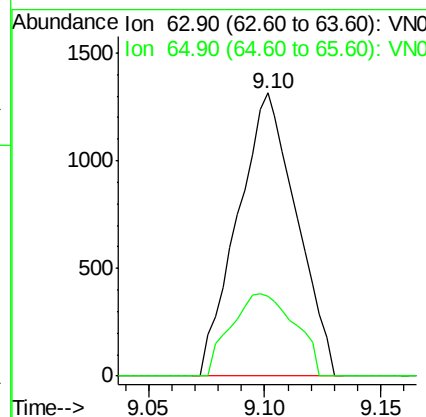
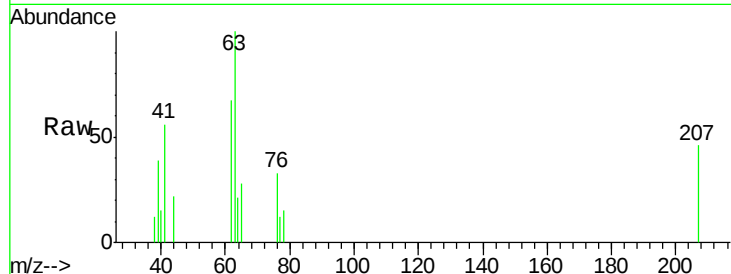
#45
 1,2-Dichloropropane
 Concen: 0.866 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion: 63 Resp: 2315
 Ion Ratio Lower Upper
 63 100
 65 28.2 25.4 38.0

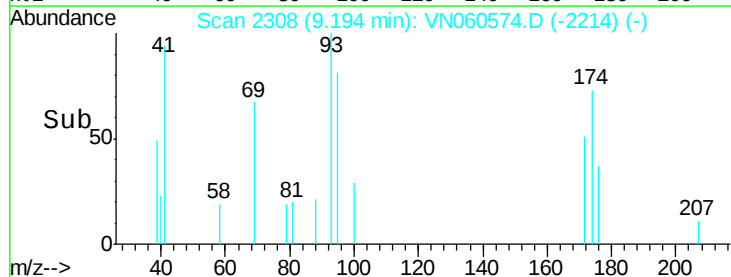
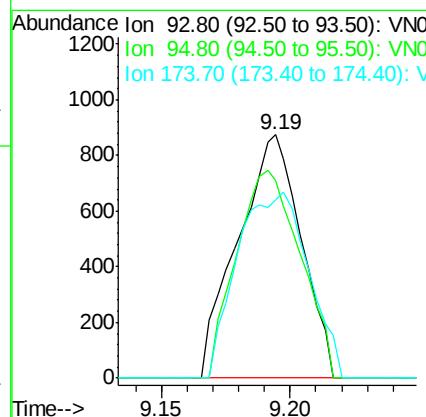
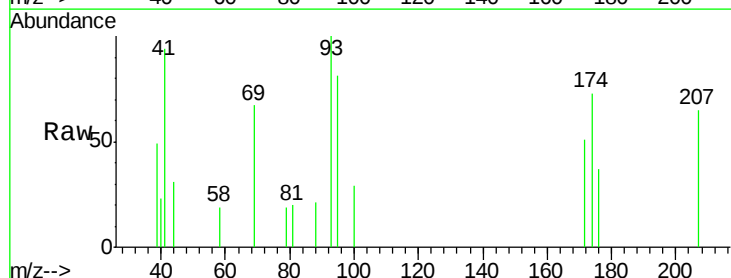
Manual Integrations
 APPROVED

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#46
 Dibromomethane
 Concen: 0.924 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion: 93 Resp: 1493
 Ion Ratio Lower Upper
 93 100
 95 86.4 66.2 99.4
 174 86.1 77.9 116.9





#47

Bromodichloromethane

Concen: 0.849 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

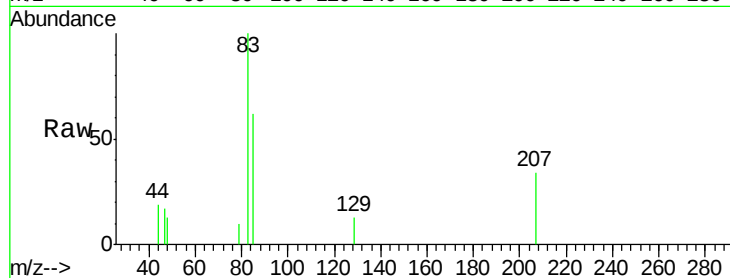
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	83	Resp:	2851
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.8	77.6
127	0.0	6.5	9.7#

Manual Integrations
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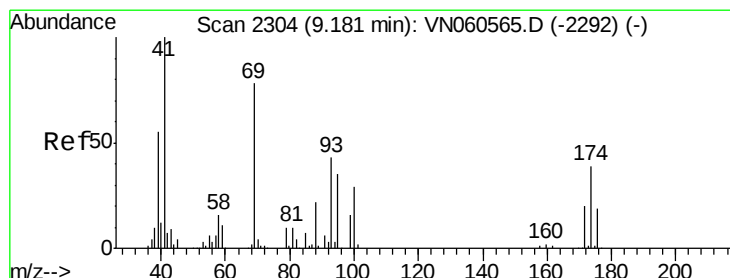
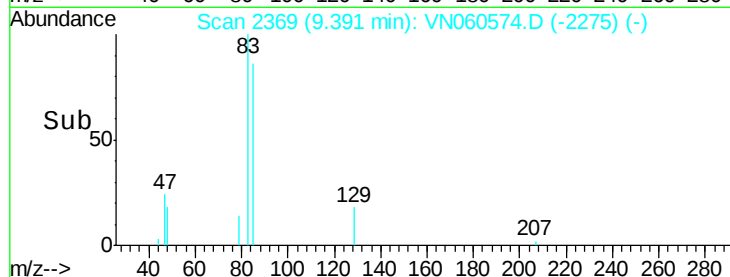
Abundance Ion 82.90 (82.60 to 83.60): VN060565.D (-2352) (-)

Ion 84.90 (84.60 to 85.60): VN060565.D (-2352) (-)

Ion 126.80 (126.50 to 127.50): VN060565.D (-2352) (-)

Time-->

9.35 9.40



#48

Methyl methacrylate

Concen: 0.859 ug/l

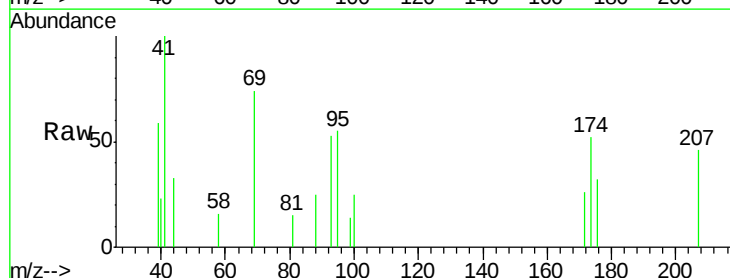
RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Tgt Ion:	41	Resp:	2287
Ion	Ratio	Lower	Upper
41	100		
69	71.2	65.4	98.0
39	52.2	44.0	66.0



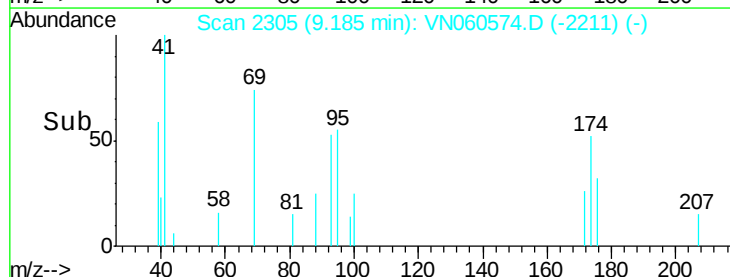
Abundance Ion 41.00 (40.70 to 41.70): VN060565.D (-2292) (-)

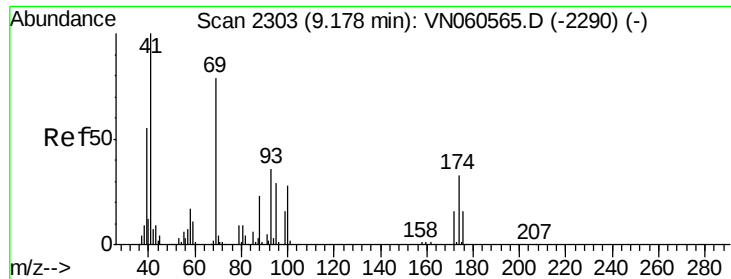
Ion 69.00 (68.70 to 69.70): VN060565.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN060565.D (-2292) (-)

Time-->

9.15 9.20





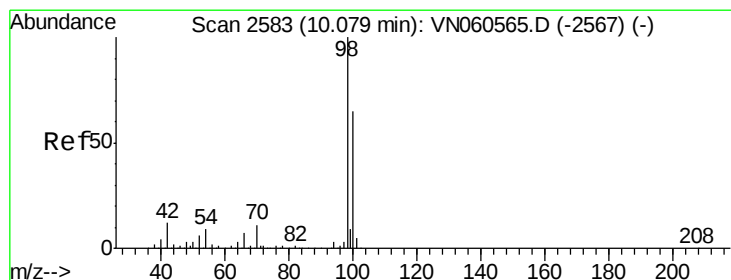
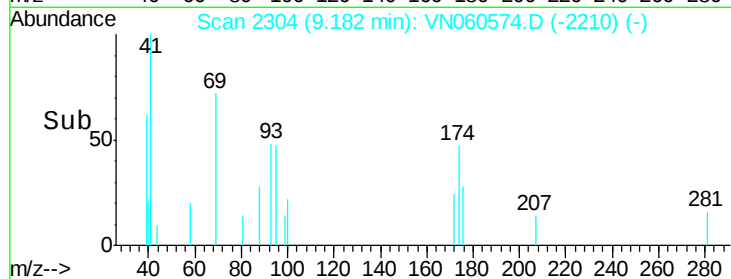
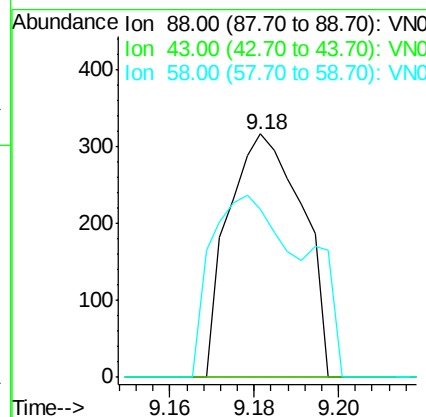
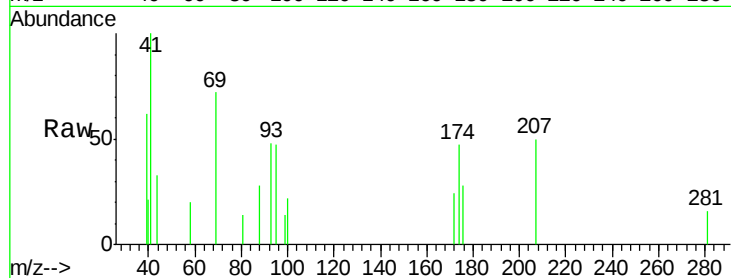
#49
1,4-Dioxane
Concen: 12.105 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	0.0	30.8	46.2#
58	95.0	59.8	89.8#

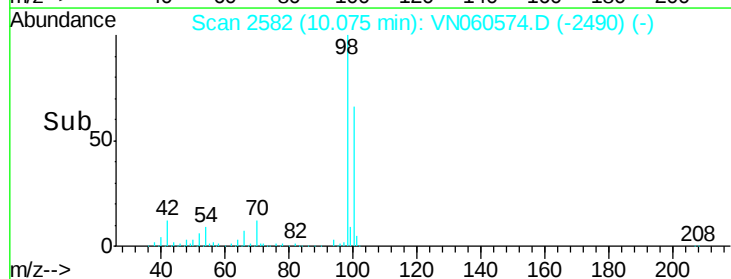
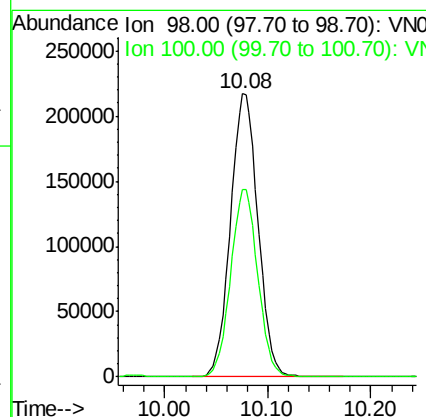
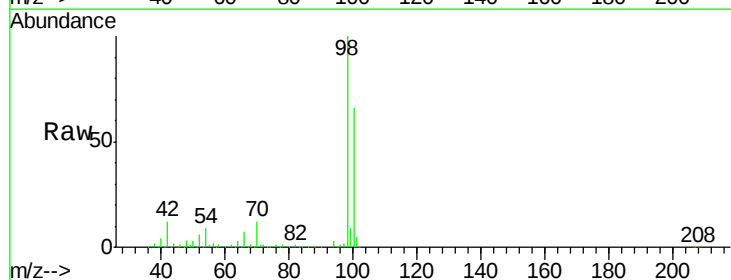
Manual Integrations
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#50
Toluene-d8
Concen: 47.167 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.4	51.8	77.8





#51

4-Methyl-2-Pentanone

Concen: 4.220 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 14356

Ion Ratio Lower Upper

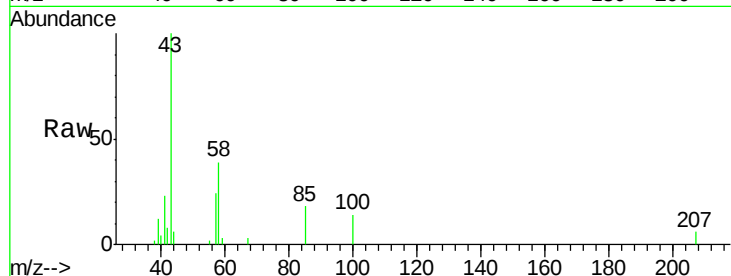
43 100

58 37.6 30.8 46.2

Manual Integrations
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Abundance Ion 43.00 (42.70 to 43.70): VN060565.D (-2529) (-)

Ion 58.00 (57.70 to 58.70): VN060565.D (-2529) (-)

9.97

8000

6000

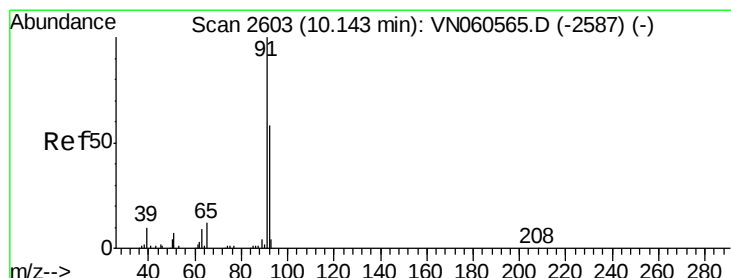
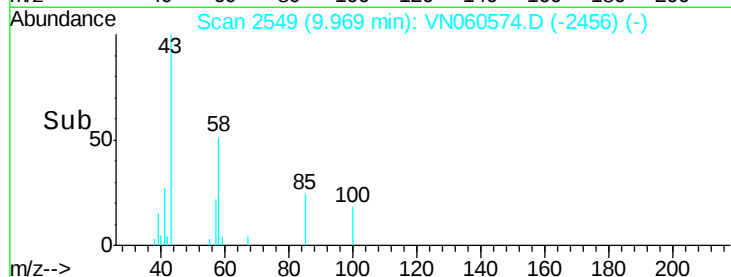
4000

2000

0

9.90 9.95 10.00

Time-->



#52

Toluene

Concen: 0.913 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060574.D

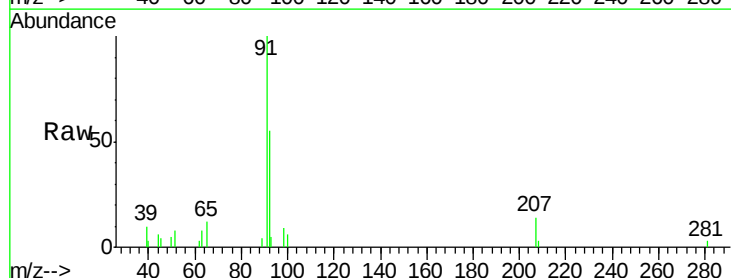
Acq: 17 Mar 2020 23:21

Tgt Ion: 92 Resp: 5584

Ion Ratio Lower Upper

92 100

91 180.2 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VN060565.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN060565.D (-2587) (-)

10.14

6000

5000

4000

3000

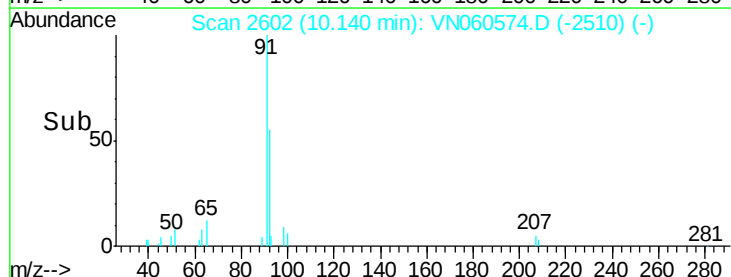
2000

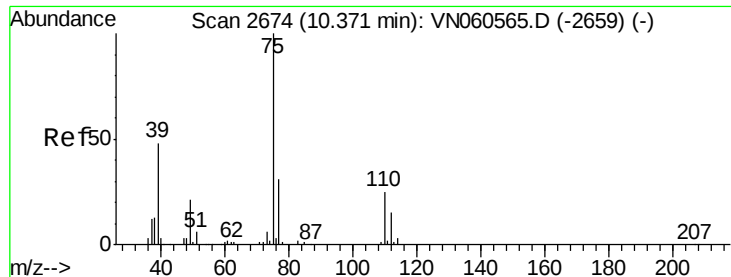
1000

0

10.10 10.15 10.20

Time-->





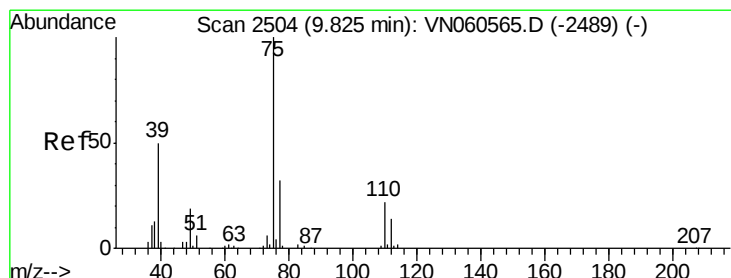
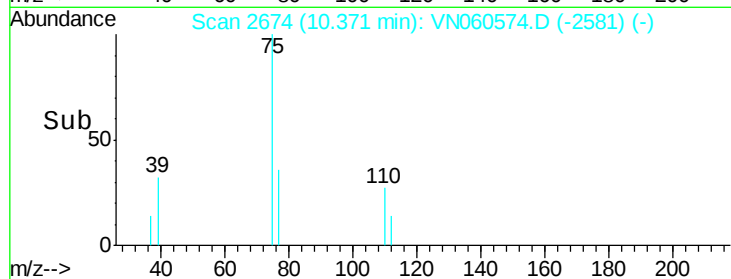
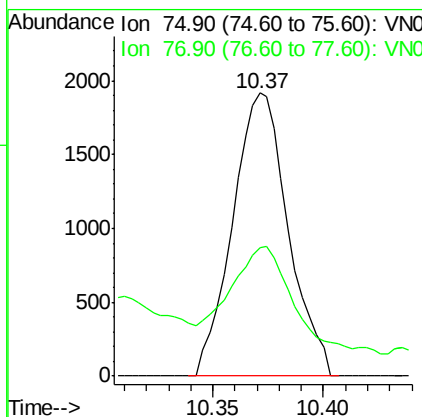
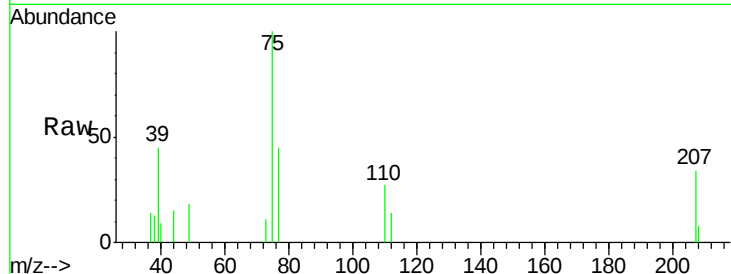
#53
t-1,3-Dichloropropene
Concen: 0.869 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 75 Resp: 3350
Ion Ratio Lower Upper
75 100
77 33.9 25.1 37.7

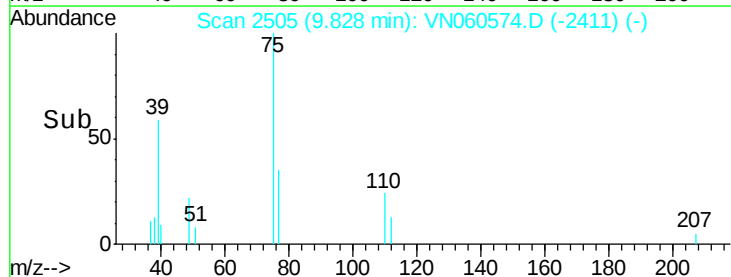
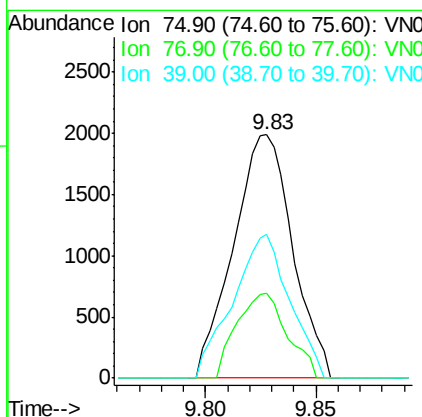
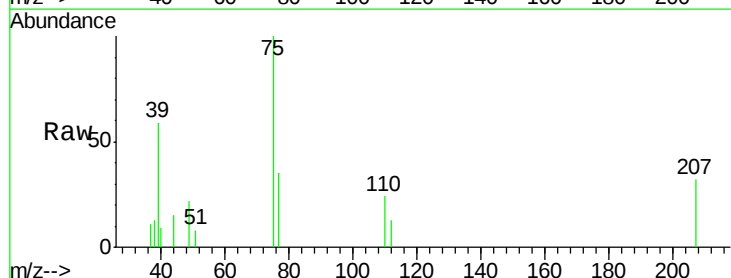
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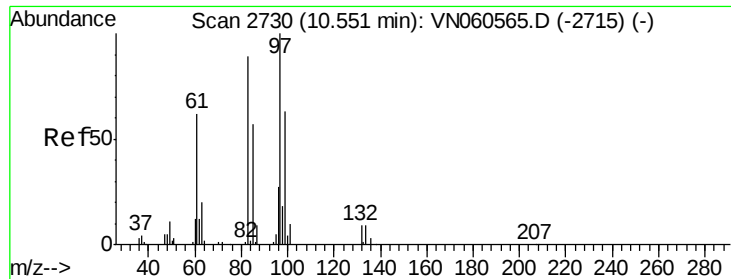
MMDadoda
3/19/2020 1:02:30 PM



#54
cis-1,3-Dichloropropene
Concen: 0.875 ug/l
RT: 9.83 min Scan# 2505
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion: 75 Resp: 3700
Ion Ratio Lower Upper
75 100
77 34.7 25.4 38.0
39 58.8 40.2 60.4





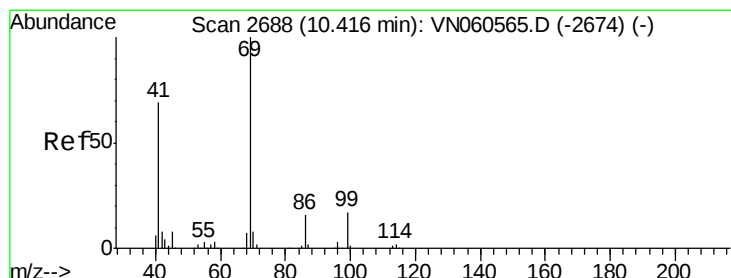
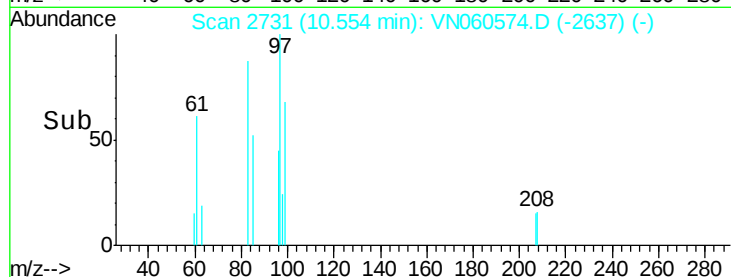
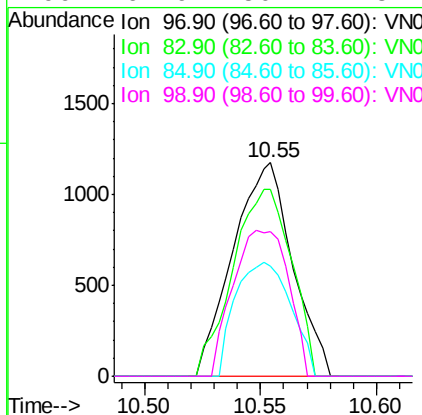
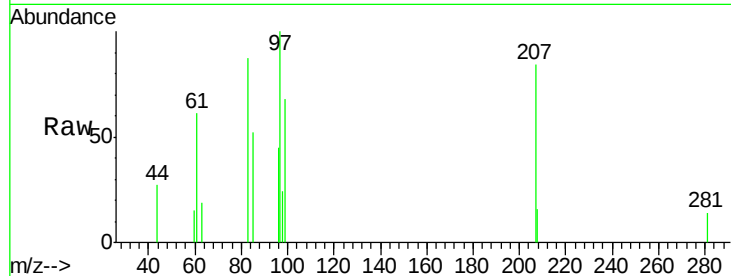
#55
 1,1,2-Trichloroethane
 Concen: 0.891 ug/l
 RT: 10.55 min Scan# 2731
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion:	97	Resp:	2096
Ion	Ratio	Lower	Upper
97	100		
83	87.3	71.3	106.9
85	51.7	45.2	67.8
99	67.9	50.1	75.1

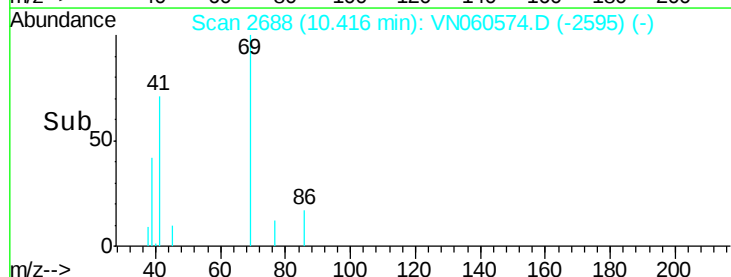
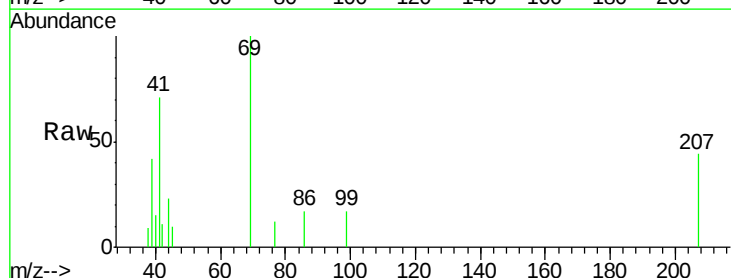
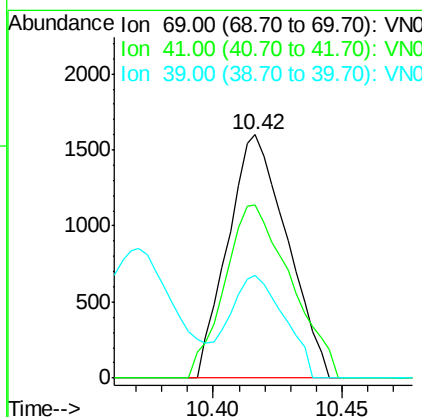
Manual Integrations
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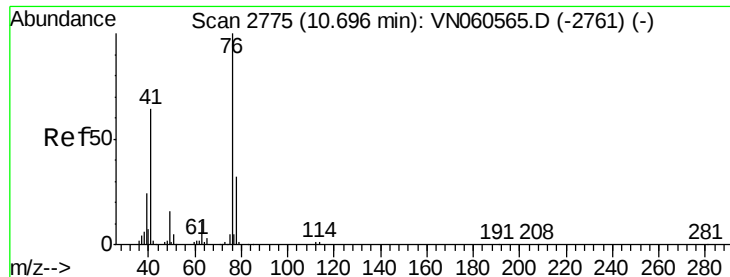
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#56
 Ethyl methacrylate
 Concen: 0.697 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion:	69	Resp:	2557
Ion	Ratio	Lower	Upper
69	100		
41	79.7	55.4	83.2
39	39.9	29.4	44.0





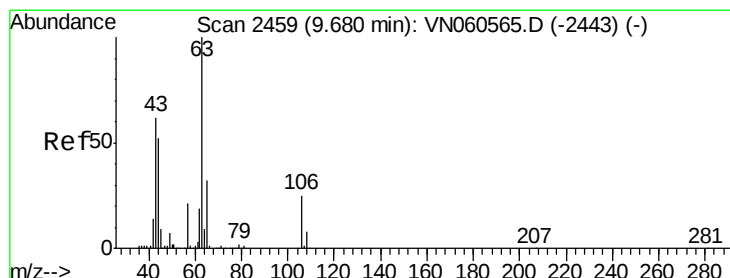
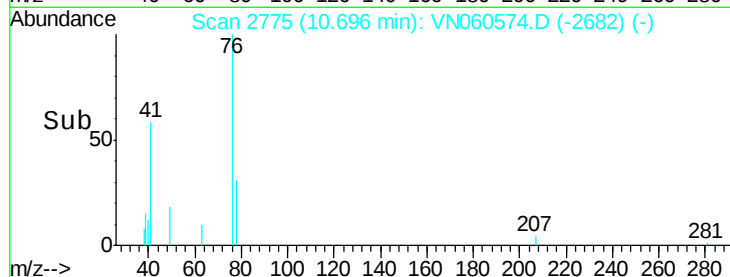
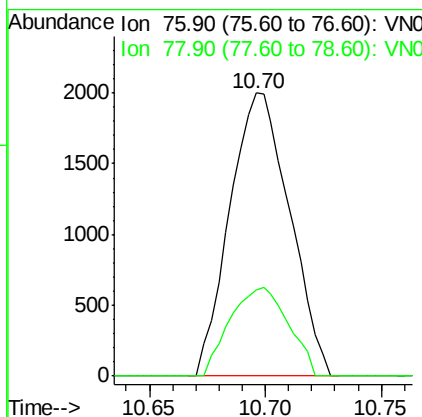
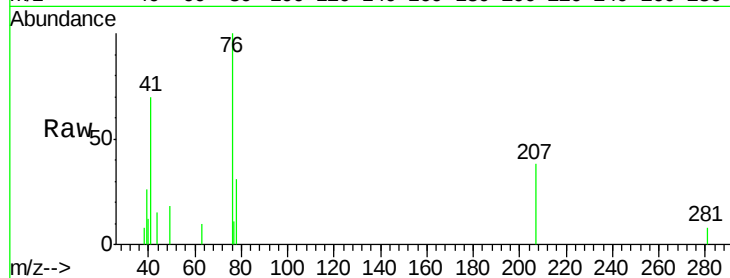
#57
 1,3-Dichloropropane
 Concen: 0.877 ug/l
 RT: 10.70 min Scan# 2775
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	30.7	25.8	38.6

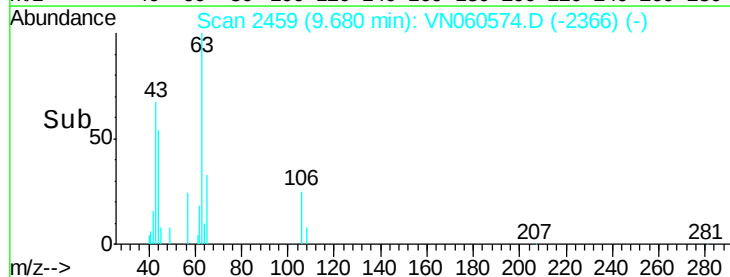
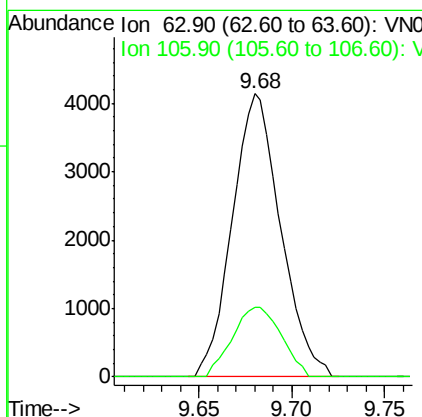
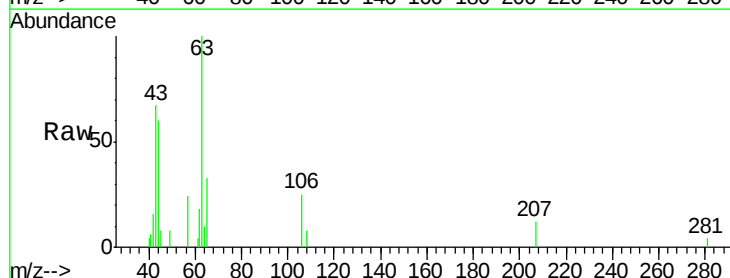
Manual Integrations
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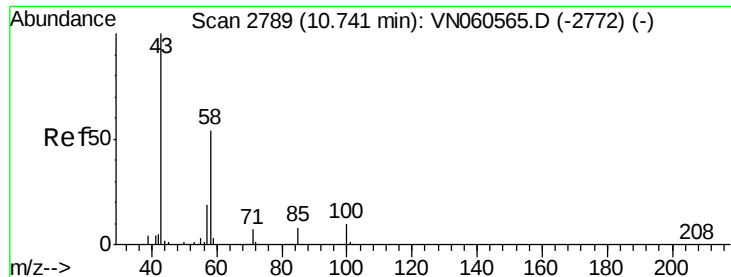
MMDadoda
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#58
 2-Chloroethyl Vinyl ether
 Concen: 4.103 ug/l
 RT: 9.68 min Scan# 2459
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
63	100		
106	25.0	20.0	30.0





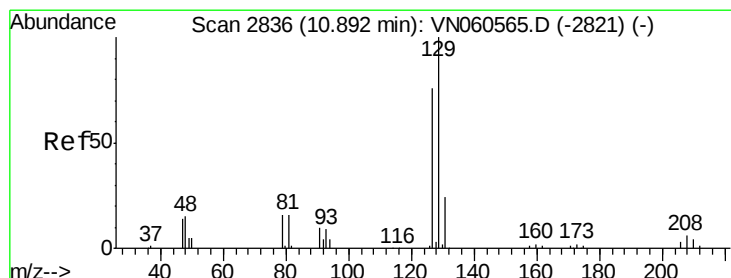
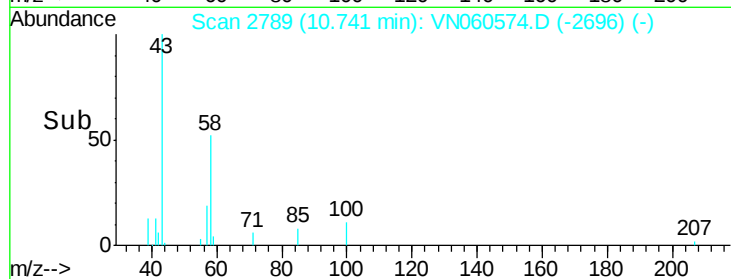
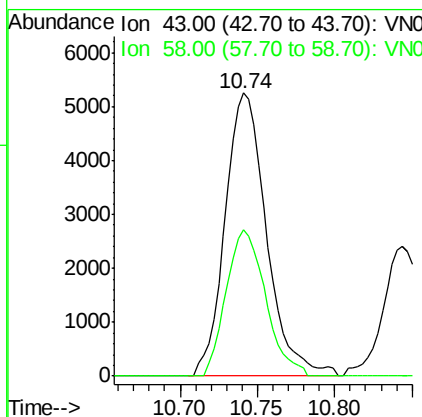
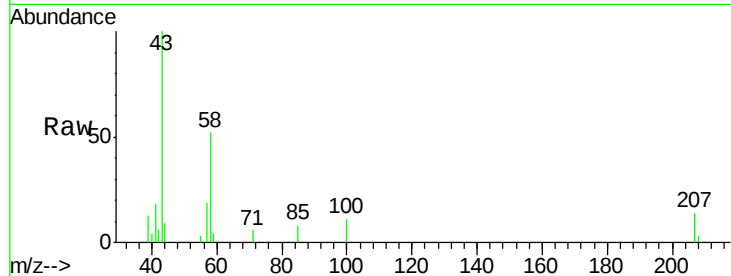
#59
2-Hexanone
Concen: 3.981 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 43 Resp: 9756
Ion Ratio Lower Upper
43 100
58 49.2 26.7 80.1

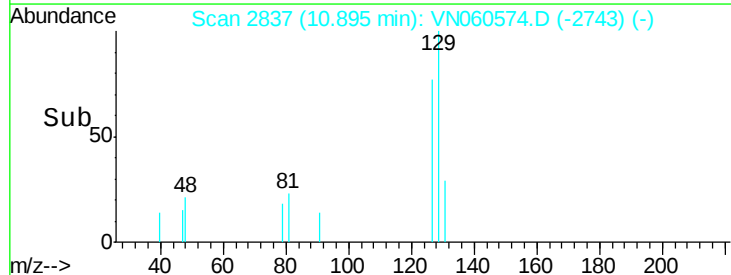
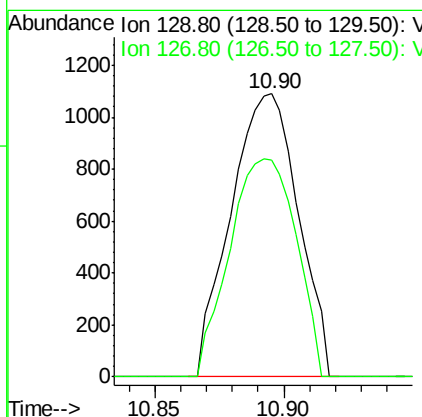
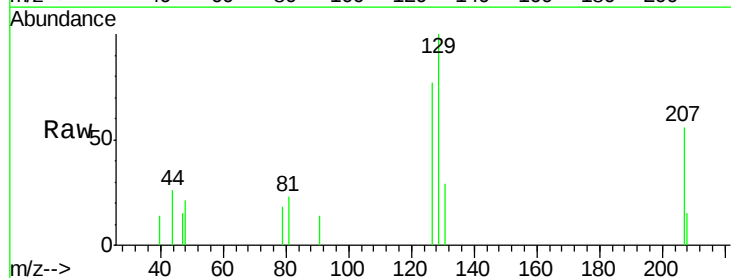
Manual Integrations
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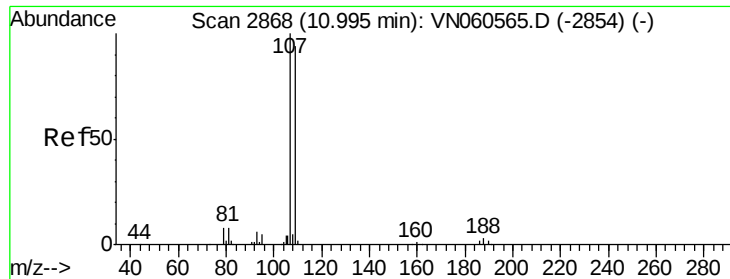
MMDadoda
3/19/2020 1:02:30 PM



#60
Dibromochloromethane
Concen: 0.819 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion: 129 Resp: 1990
Ion Ratio Lower Upper
129 100
127 76.0 38.5 115.5





#61

1,2-Dibromoethane

Concen: 0.920 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:107 Resp: 2177

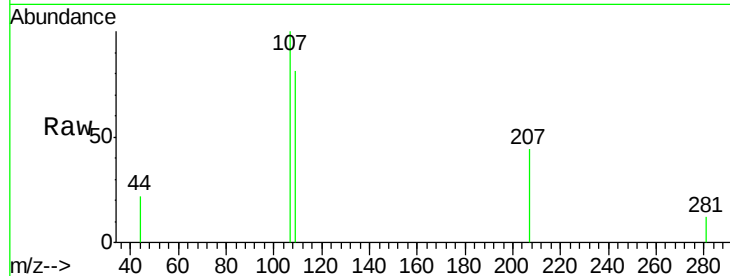
Ion Ratio Lower Upper

107 100

109 81.2 75.4 113.2

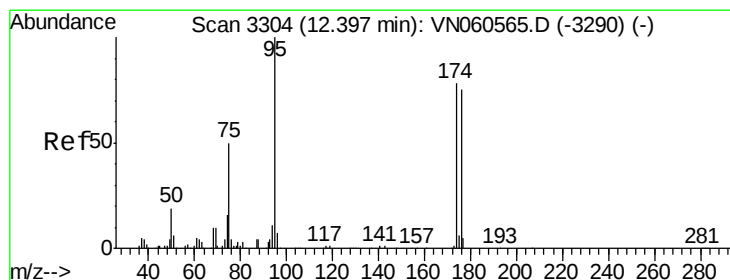
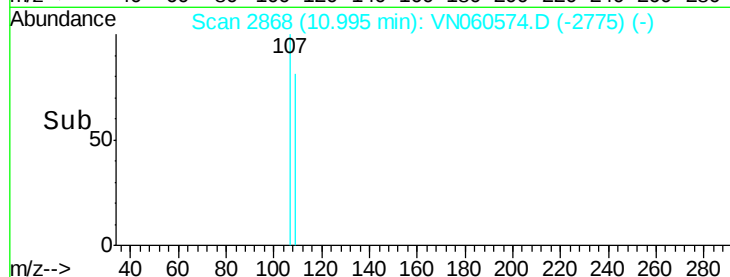
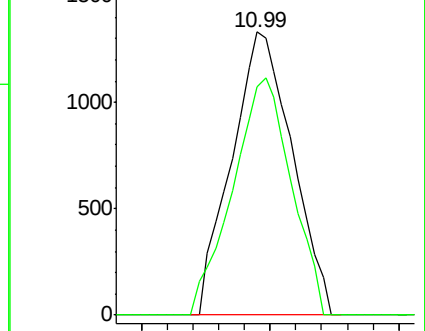
Manual Integrations
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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.152 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

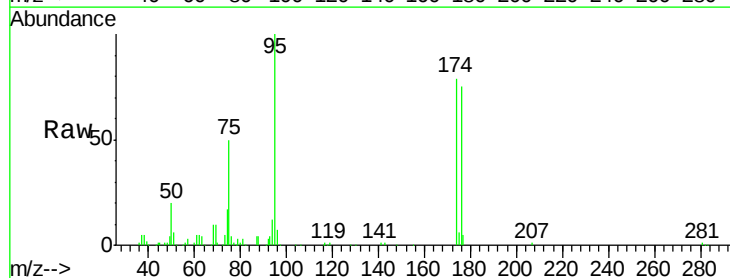
Tgt Ion: 95 Resp: 138472

Ion Ratio Lower Upper

95 100

174 77.9 0.0 157.6

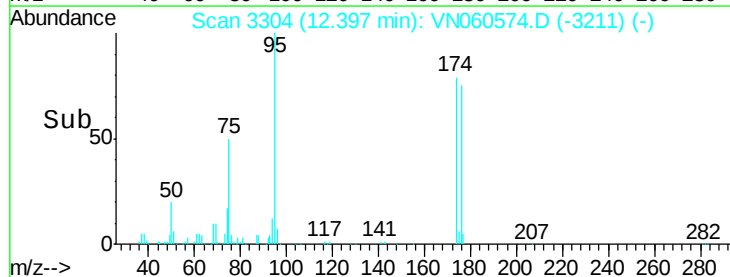
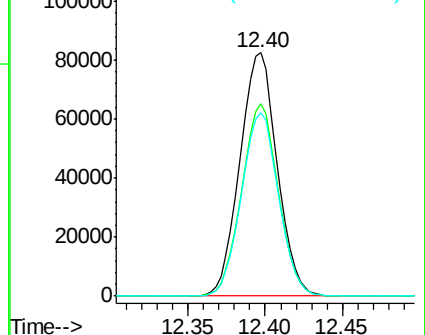
176 75.3 0.0 150.6

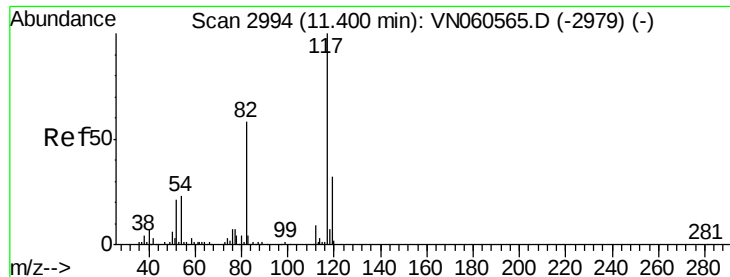


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





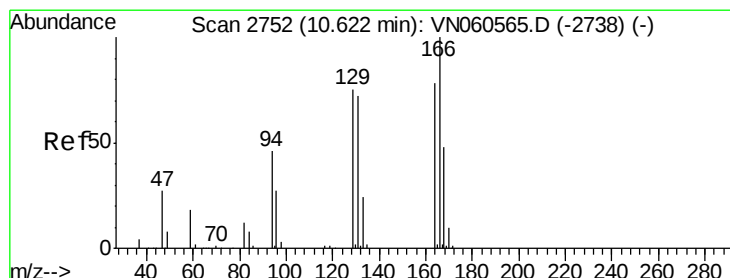
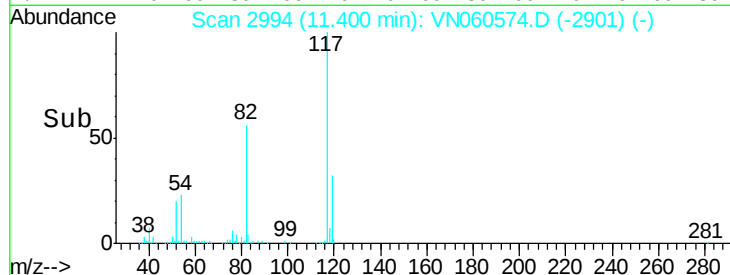
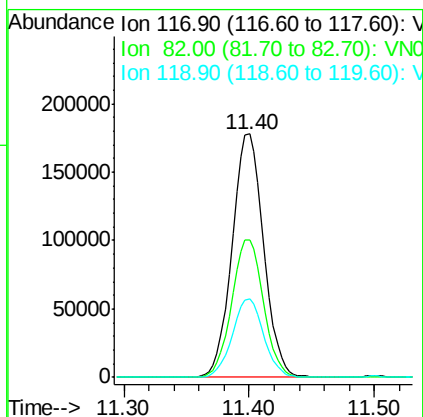
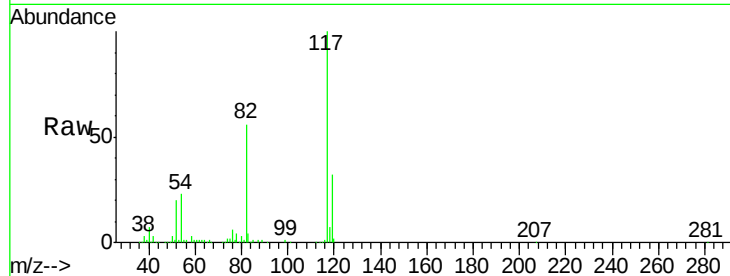
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	46.7	70.1
119	32.0	25.5	38.3

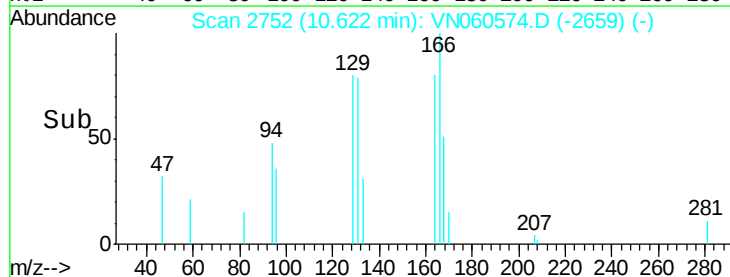
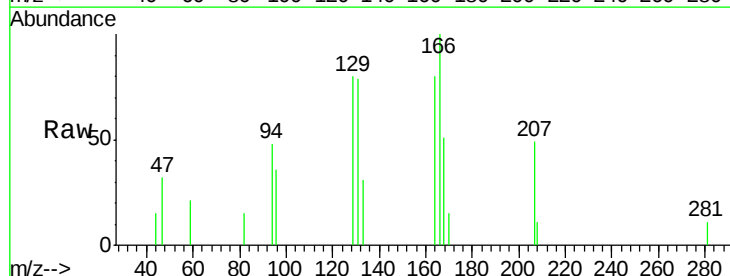
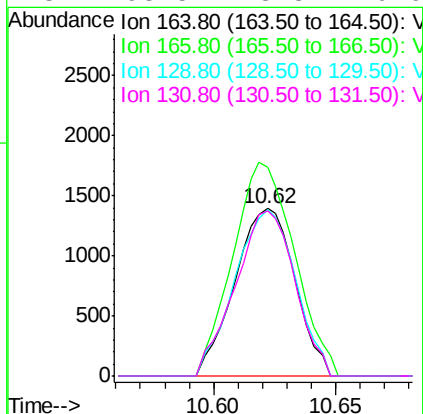
Manual Integrations
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#64
Tetrachloroethene
Concen: 0.978 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
164	100		
166	124.7	102.7	154.1
129	99.6	77.2	115.8
131	98.5	73.8	110.6





#65

Chlorobenzene

Concen: 0.942 ug/l

RT: 11.42 min Scan# 3001

Delta R.T. -0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:112 Resp: 5780

Ion Ratio Lower Upper

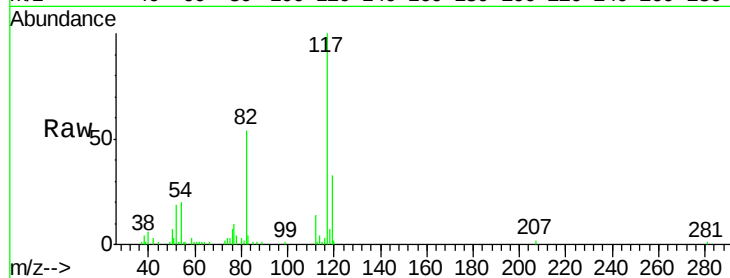
112 100

114 32.0 25.8 38.6

Manual Integrations
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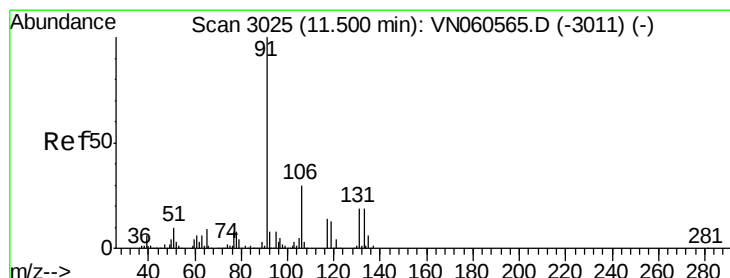
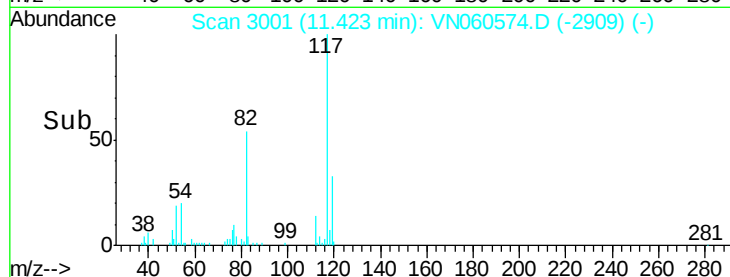
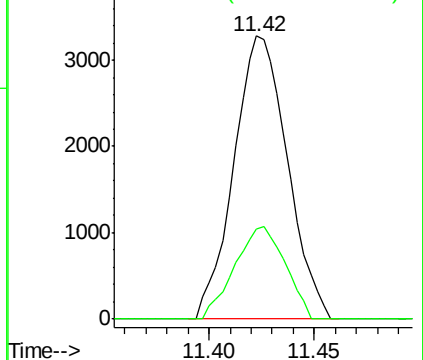
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Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 0.871 ug/l

RT: 11.50 min Scan# 3025

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

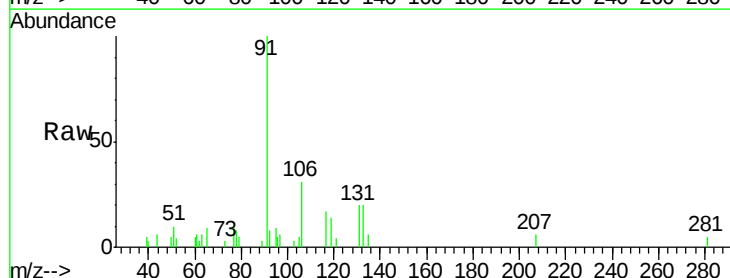
Tgt Ion:131 Resp: 1934

Ion Ratio Lower Upper

131 100

133 101.0 48.9 146.8

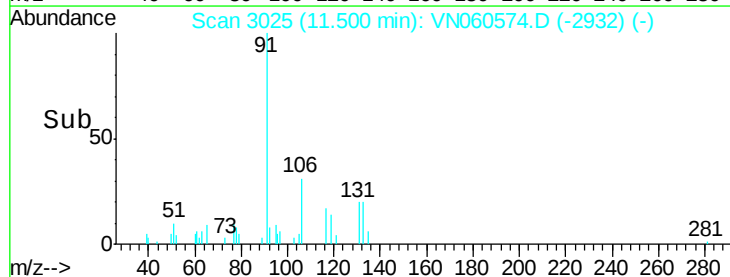
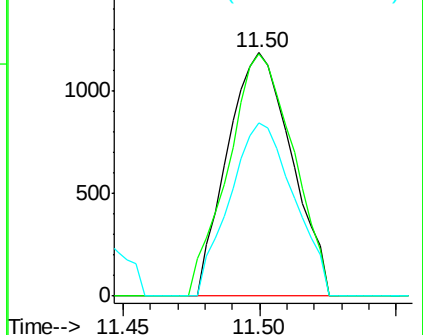
119 0.0 33.9 101.7#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





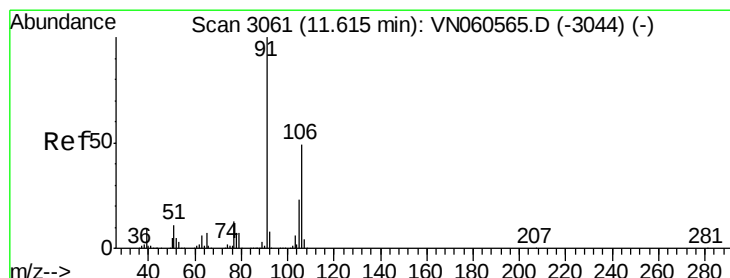
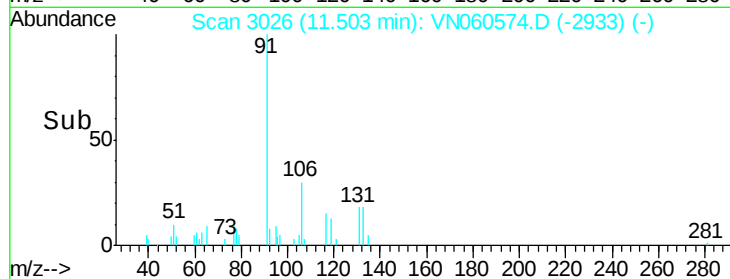
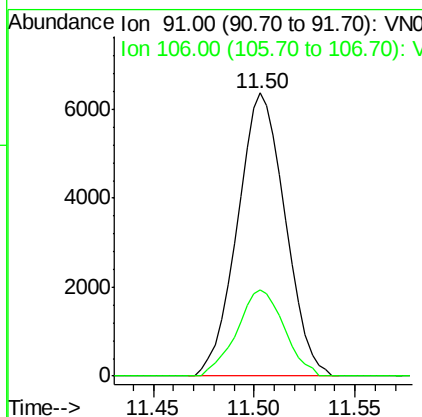
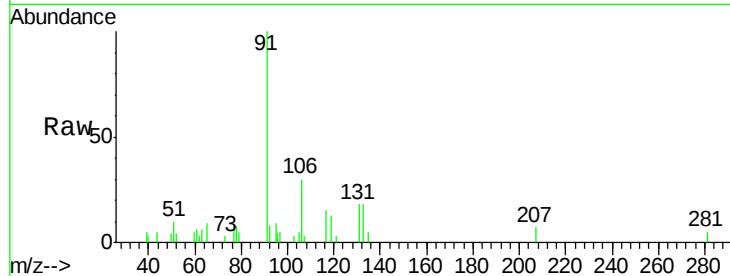
#67
Ethyl Benzene
Concen: 0.924 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 10539
Ion Ratio Lower Upper
91 100
106 30.4 24.2 36.2

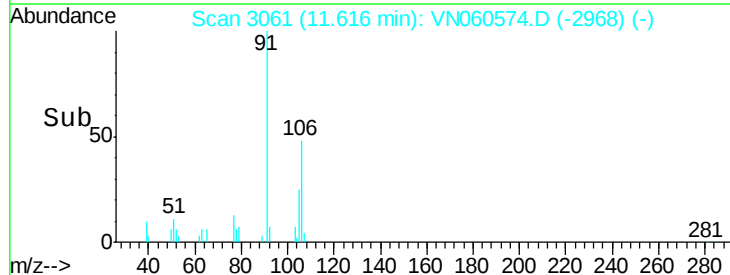
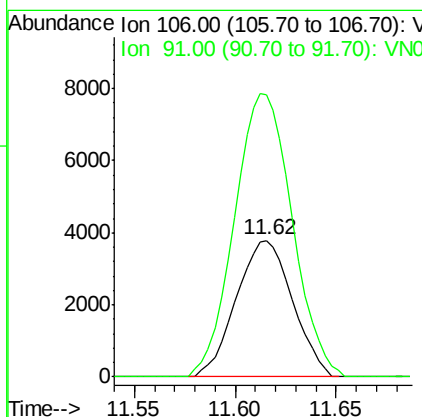
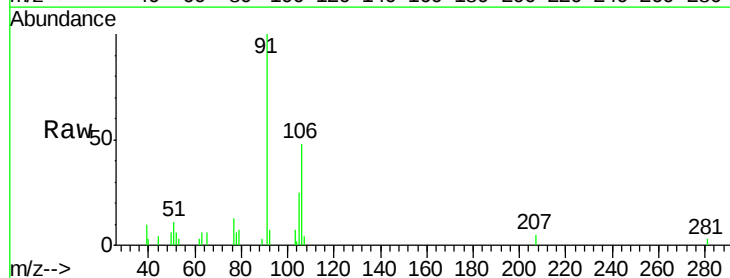
Manual Integrations
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#68
m/p-Xylenes
Concen: 1.737 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion: 106 Resp: 7366
Ion Ratio Lower Upper
106 100
91 212.9 165.0 247.4





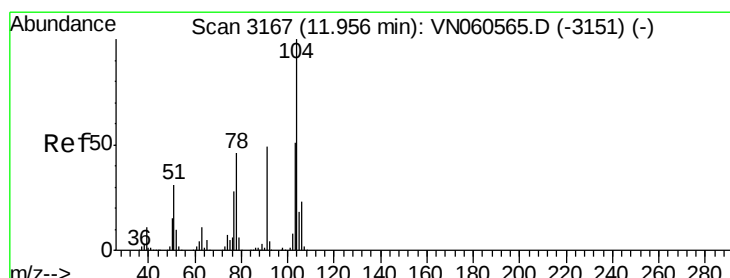
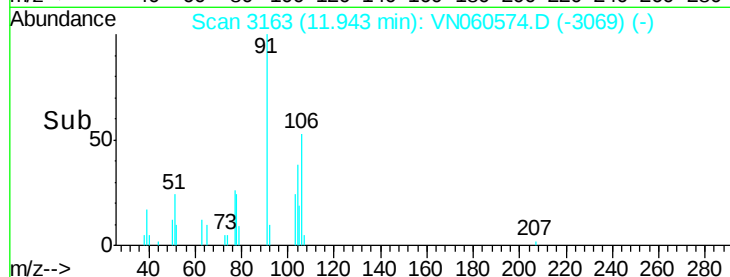
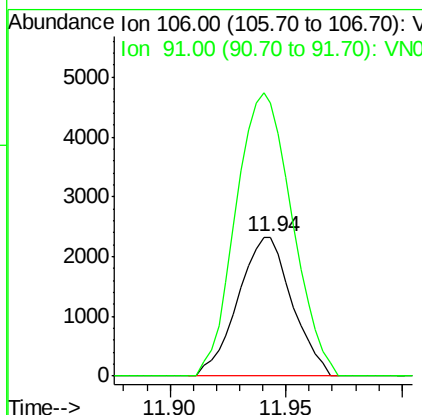
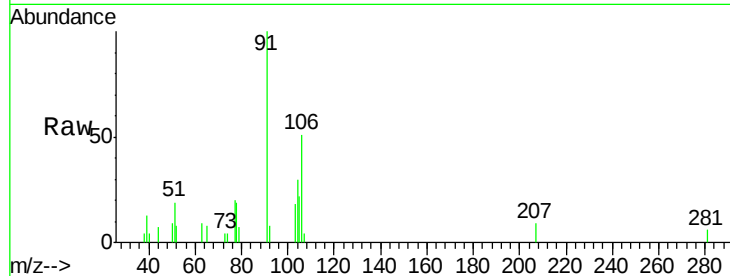
#69
o-Xylene
Concen: 0.926 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion:106 Resp: 3748
Ion Ratio Lower Upper
106 100
91 212.8 109.5 328.4

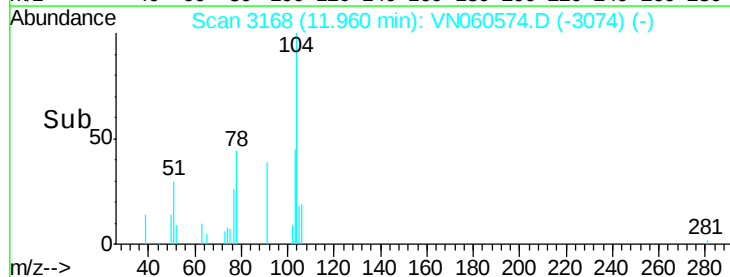
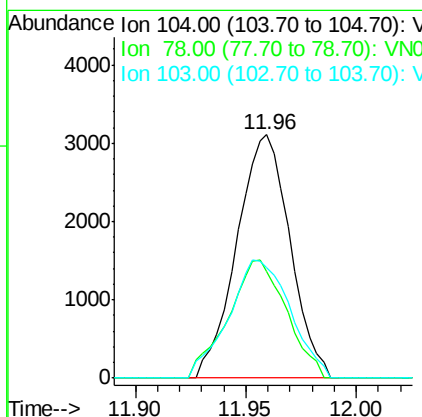
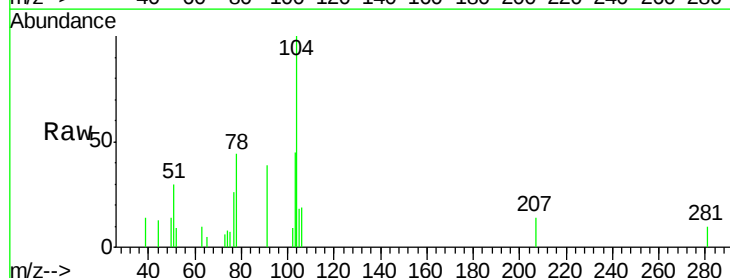
Manual Integrations
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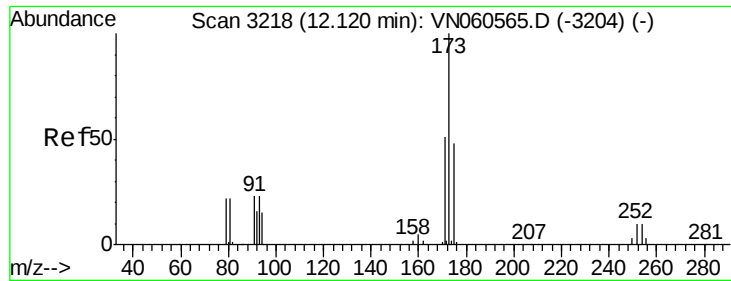
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#70
Styrene
Concen: 0.787 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion:104 Resp: 5209
Ion Ratio Lower Upper
104 100
78 52.9 41.2 61.8
103 56.2 44.0 66.0





#71

Bromoform

Concen: 0.745 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

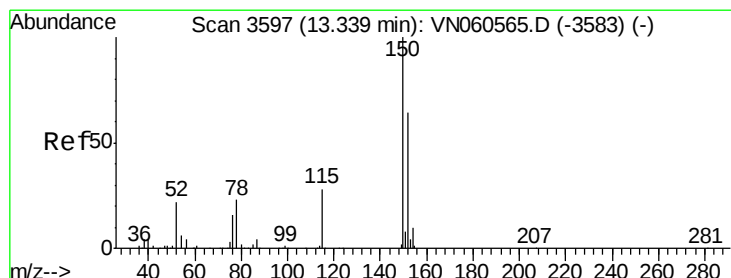
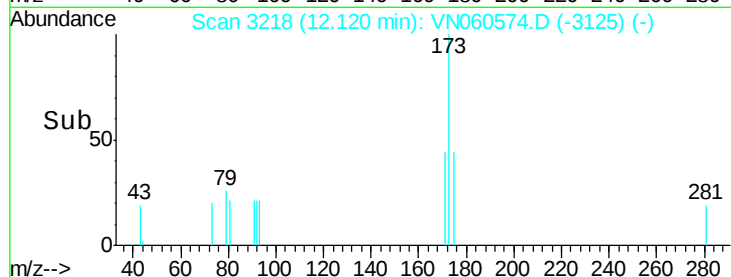
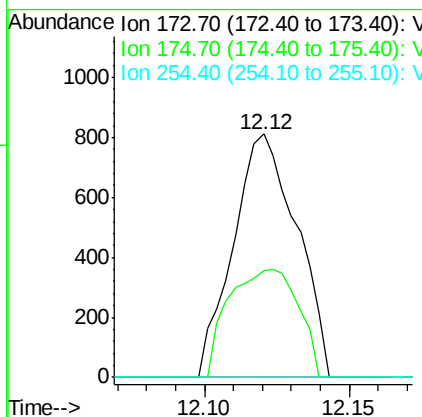
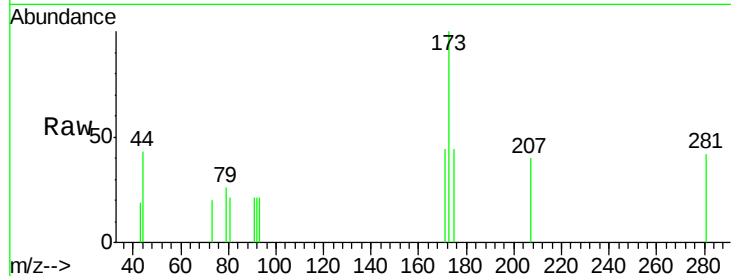
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	173	Resp:	1235
Ion Ratio	Lower	Upper	
173	100		
175	48.7	24.1	72.4
254	0.0	0.0	0.0

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

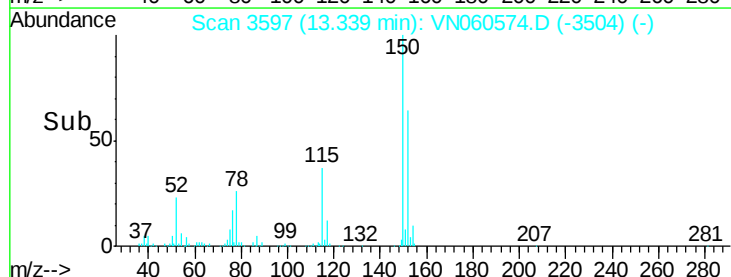
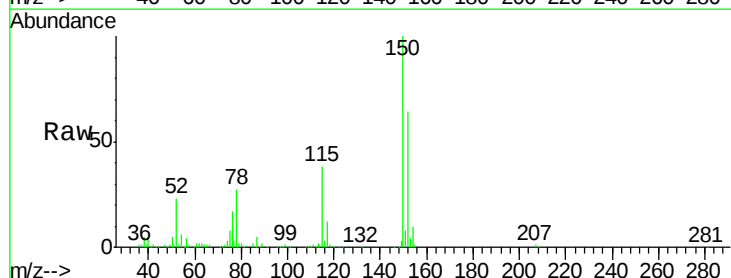
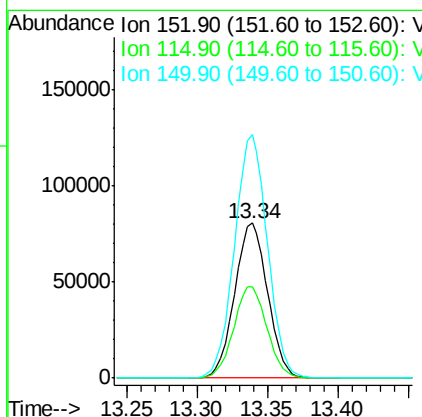
RT: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Tgt Ion:	152	Resp:	132173
Ion Ratio	Lower	Upper	
152	100		
115	59.7	30.2	90.6
150	156.9	0.0	350.2





#73

Isopropylbenzene

Concen: 0.983 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 105 Resp: 9752

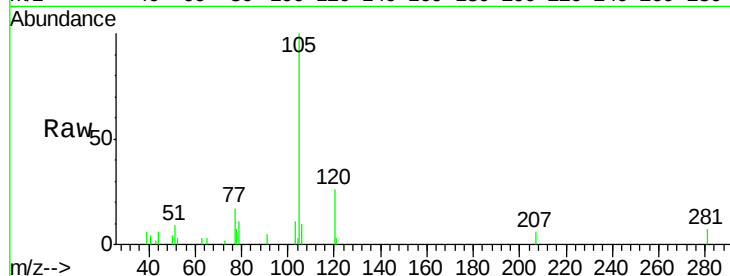
Ion Ratio Lower Upper

105 100

120 26.5 13.1 39.1

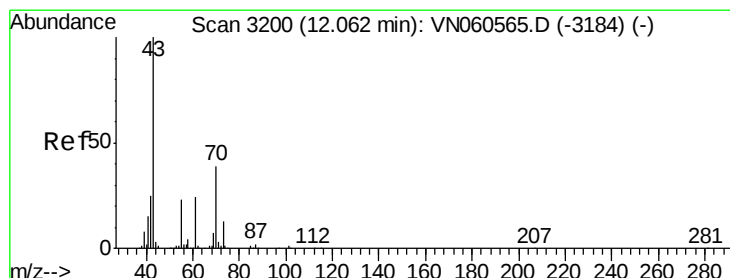
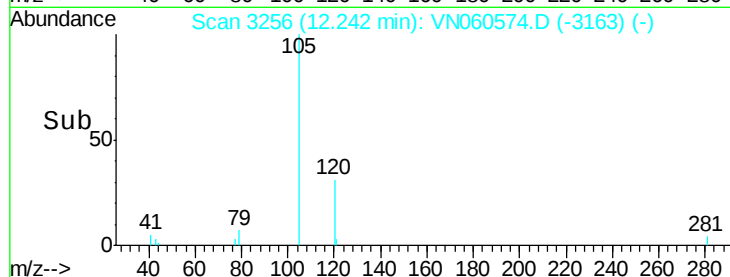
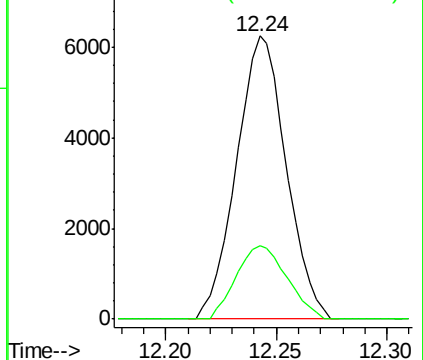
Manual Integrations
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 0.933 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Tgt Ion: 43 Resp: 4276

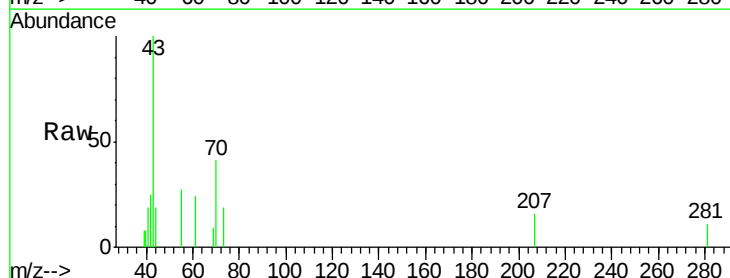
Ion Ratio Lower Upper

43 100

70 34.3 31.1 46.7

55 19.4 18.6 27.8

61 20.2 18.9 28.3

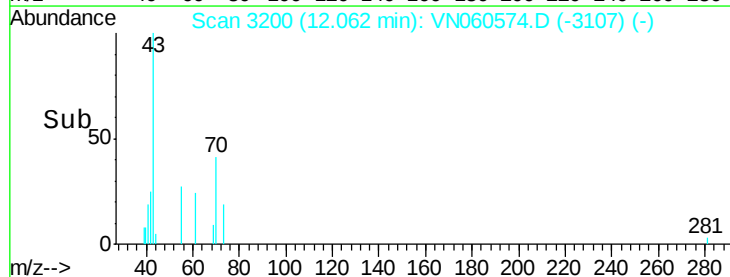
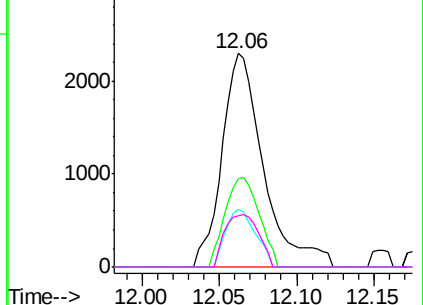


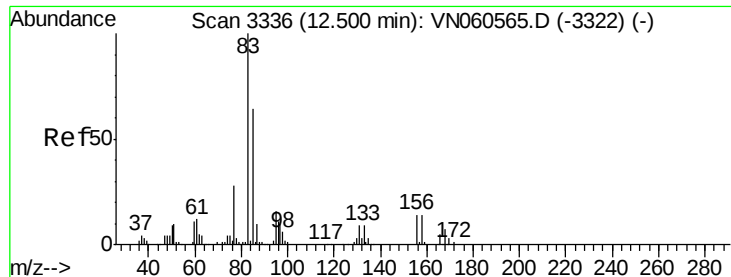
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 0.934 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

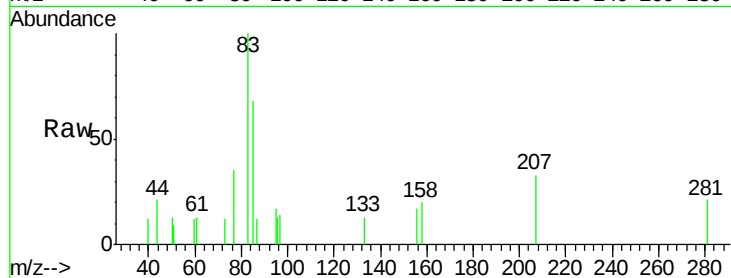
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion	83	Resp	2803
Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	62.5	32.5	97.4

Manual Integrations
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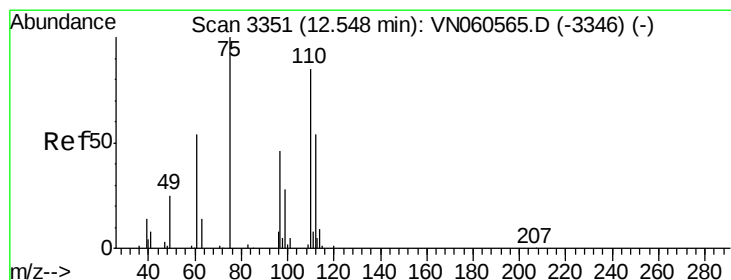
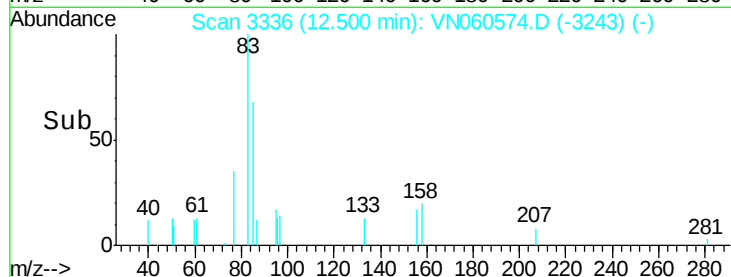
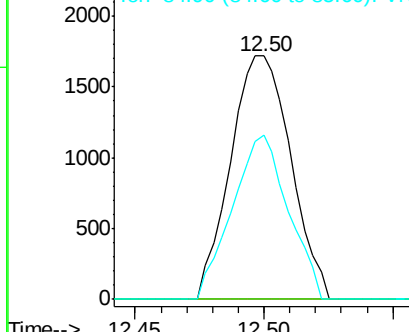
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Abundance Ion 82.90 (82.60 to 83.60): VN060574.D (-3243) (-)

Ion 130.80 (130.50 to 131.50): VN060574.D (-3243) (-)

Ion 84.90 (84.60 to 85.60): VN060574.D (-3243) (-)



#76

1,2,3-Trichloropropane

Concen: 1.111 ug/l m

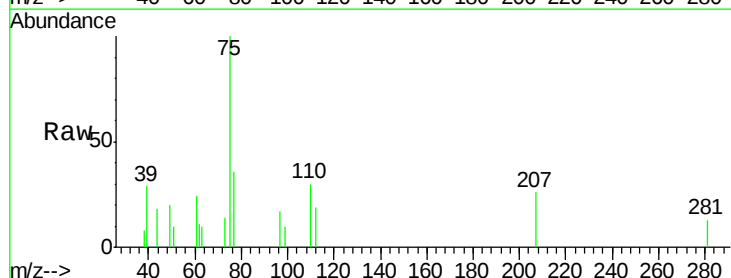
RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060574.D

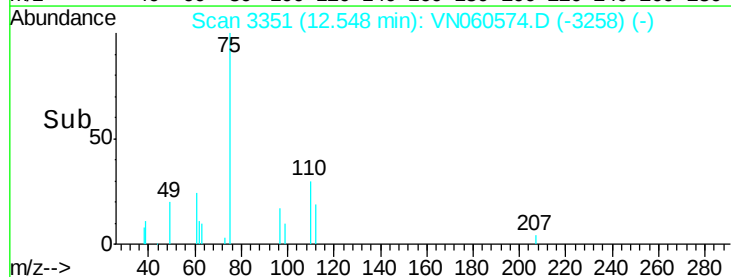
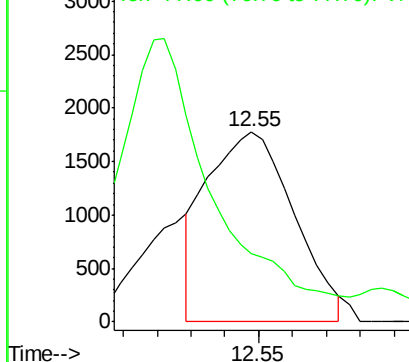
Acq: 17 Mar 2020 23:21

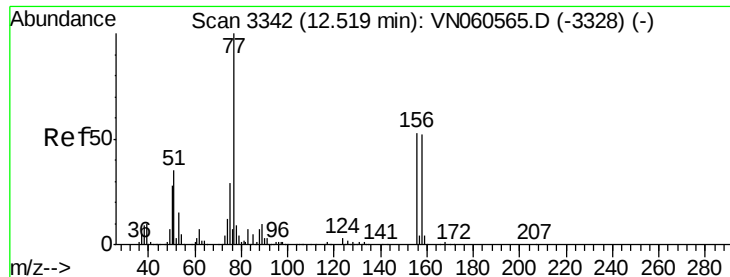
Tgt Ion	75	Resp	3170
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN060574.D (-3258) (-)

Ion 77.00 (76.70 to 77.70): VN060574.D (-3258) (-)





#77

Bromobenzene

Concen: 0.991 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:156 Resp: 2368

Ion Ratio Lower Upper

156 100

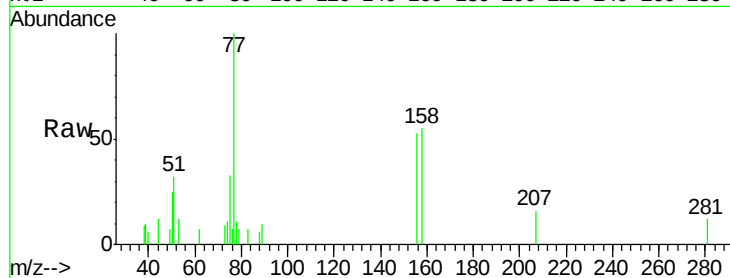
77 228.2 112.3 337.0

158 96.5 48.6 145.8

Manual Integrations
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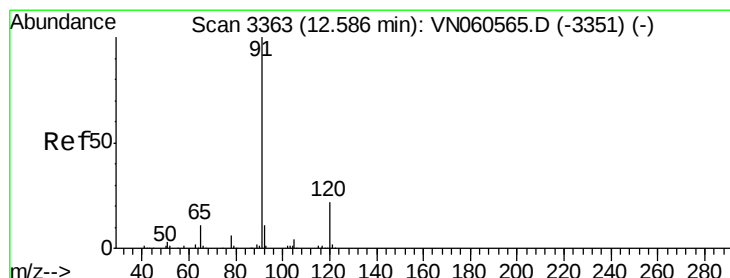
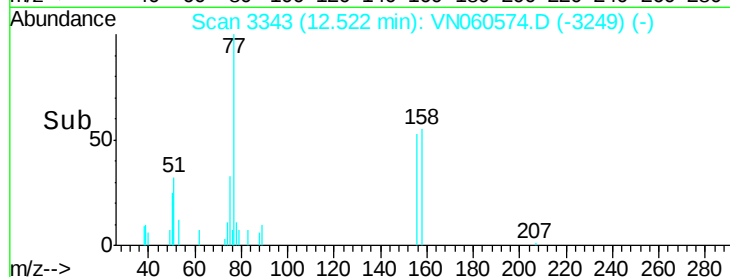
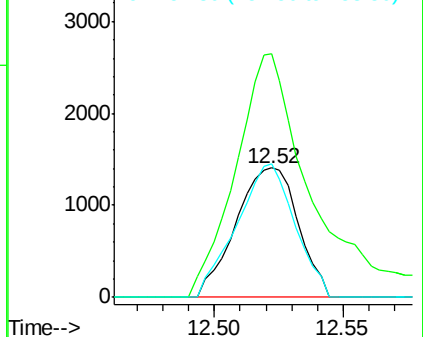
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.978 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060574.D

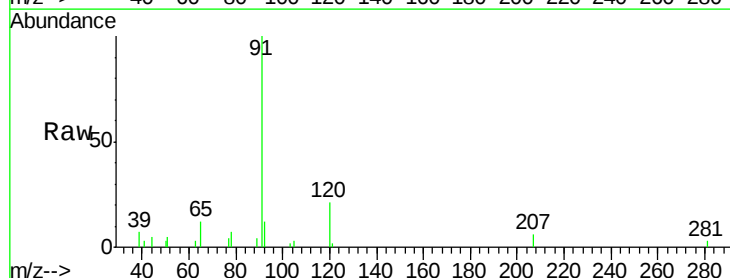
Acq: 17 Mar 2020 23:21

Tgt Ion: 91 Resp: 11461

Ion Ratio Lower Upper

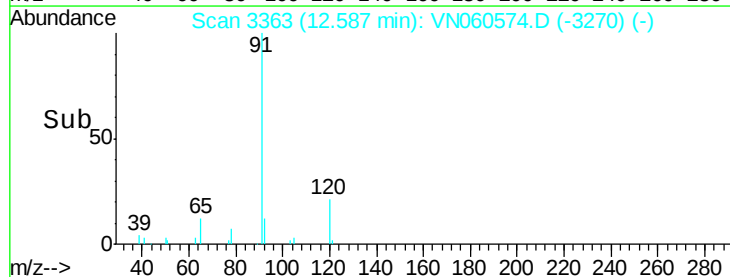
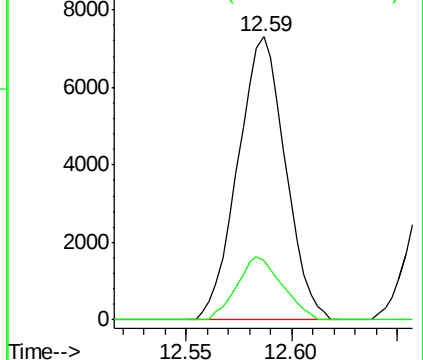
91 100

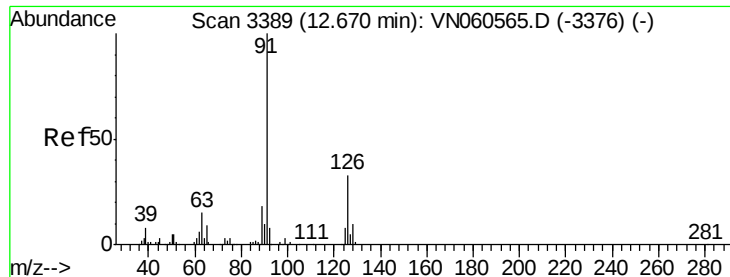
120 21.2 11.3 33.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 0.970 ug/l

RT: 12.67 min Scan# 3388

Delta R.T. -0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion: 91 Resp: 6795

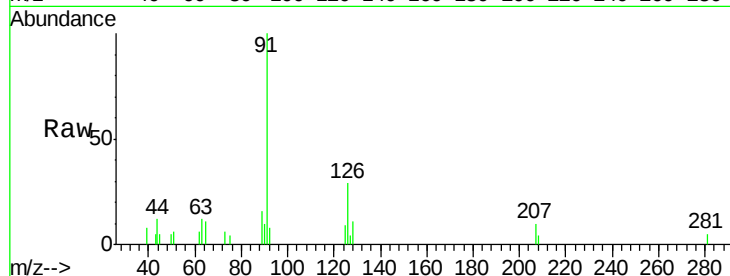
Ion Ratio Lower Upper

91 100

126 30.9 16.4 49.1

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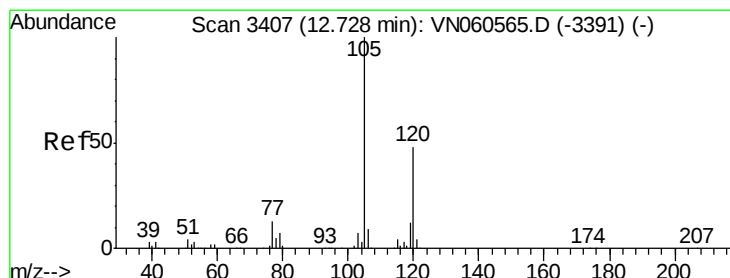
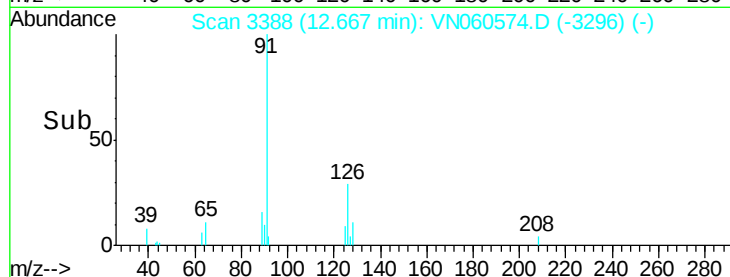


Abundance Ion 91.00 (90.70 to 91.70): VN060565.D (-3376) (-)

Ion 125.90 (125.60 to 126.60): VN060565.D (-3376) (-)

12.67

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.914 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060574.D

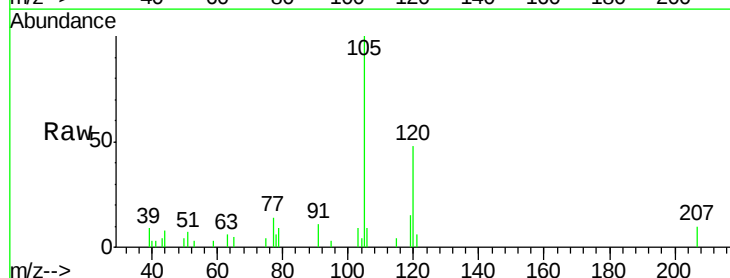
Acq: 17 Mar 2020 23:21

Tgt Ion: 105 Resp: 7697

Ion Ratio Lower Upper

105 100

120 48.8 23.9 71.7

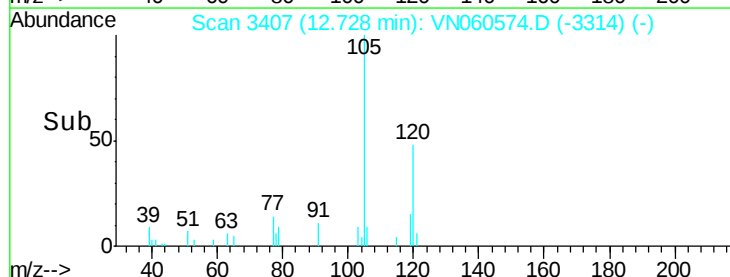


Abundance Ion 105.00 (104.70 to 105.70): VN060565.D (-3391) (-)

Ion 120.00 (119.70 to 120.70): VN060565.D (-3391) (-)

12.73

Time-->





#81

trans-1,4-Dichloro-2-butene

Concen: 0.805 ug/l m

RT: 12.30 min Scan# 3274

Delta R.T. 0.01 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Instrument :

MSVOA_N

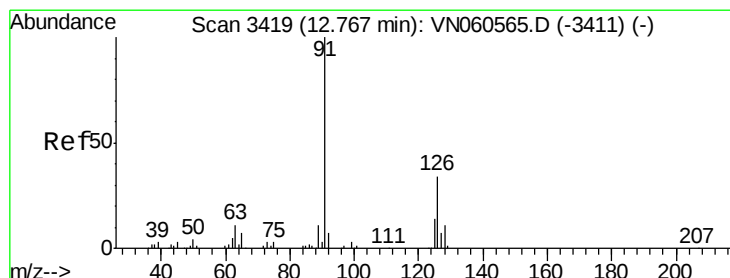
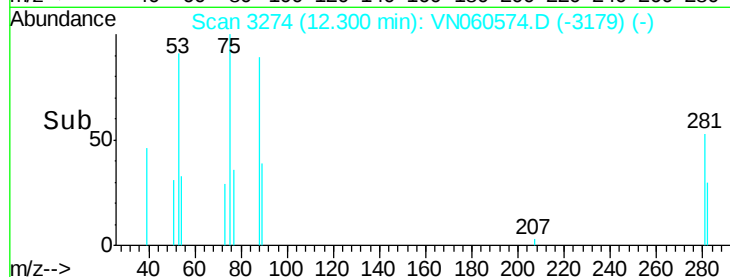
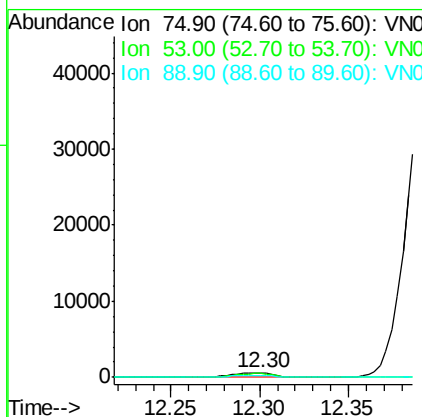
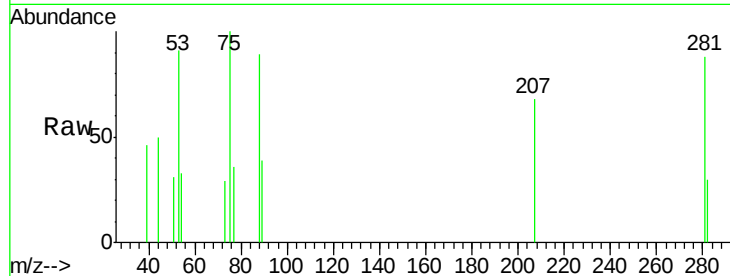
ClientSampleId :

LOQ-WATER-02-QT1-2020

Tot Ion:	75	Resp:	894
Ion	Ratio	Lower	Upper
75	100		
53	0.0	73.0	109.4#
89	0.0	34.8	52.2#

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#82

4-Chlorotoluene

Concen: 0.987 ug/l

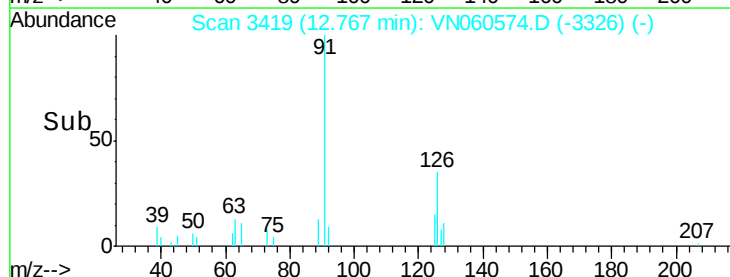
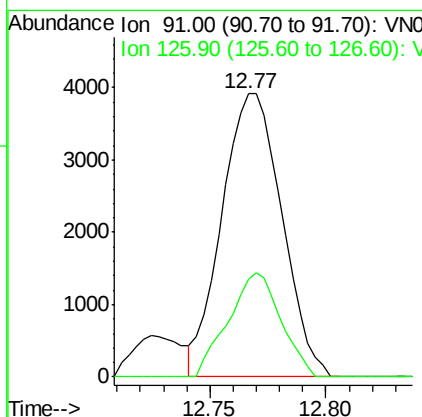
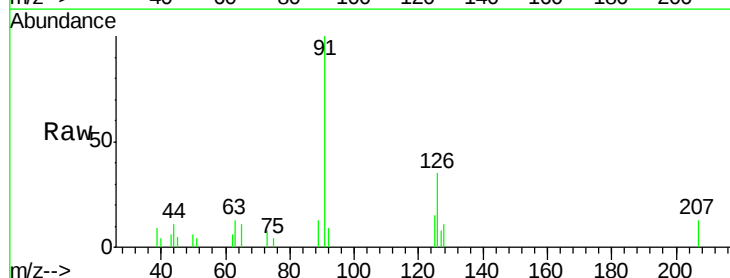
RT: 12.77 min Scan# 3419

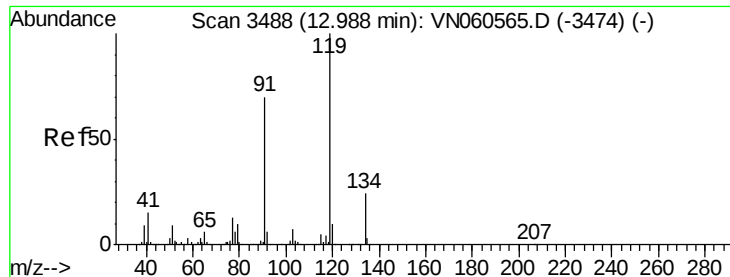
Delta R.T. 0.00 min

Lab File: VN060574.D

Acq: 17 Mar 2020 23:21

Tgt Ion:	91	Resp:	7036
Ion	Ratio	Lower	Upper
91	100		
126	32.2	16.2	48.5





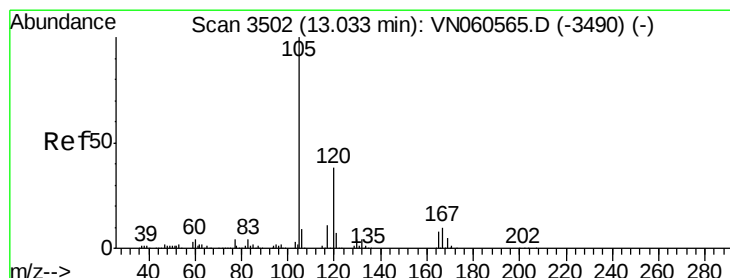
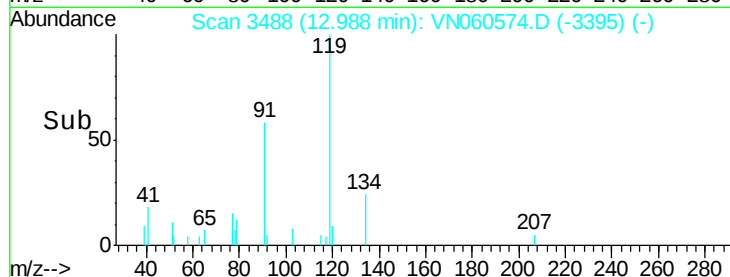
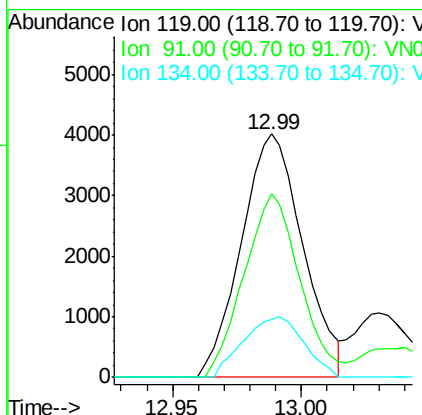
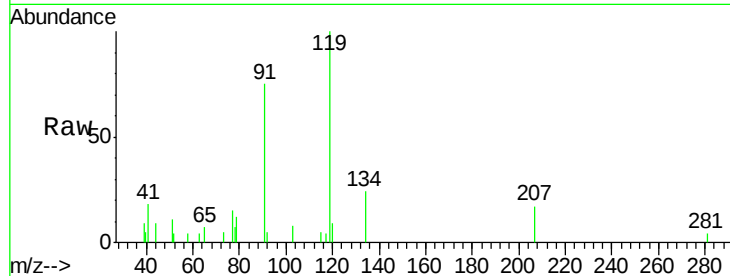
#83
 tert-Butylbenzene
 Concen: 0.959 ug/l
 RT: 12.99 min Scan# 3488
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.8	34.0	101.8
134	24.3	12.7	38.0

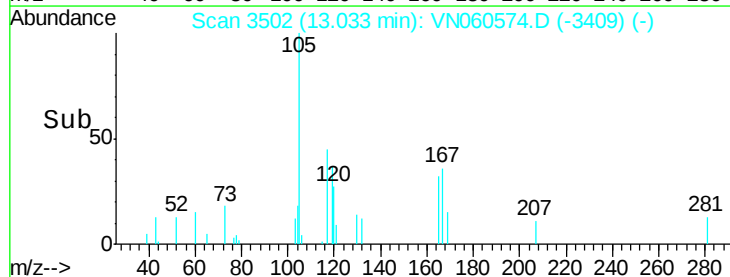
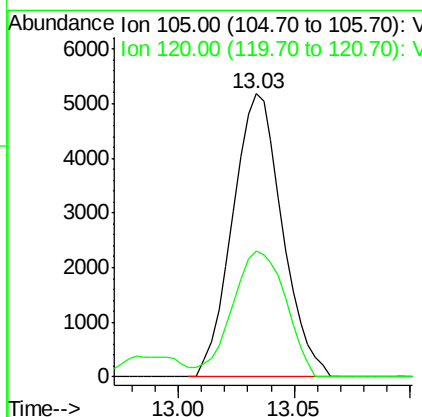
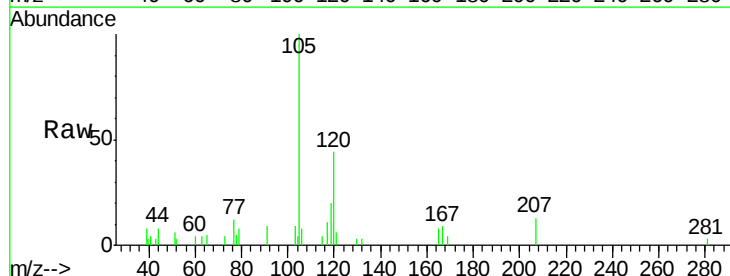
Manual Integrations
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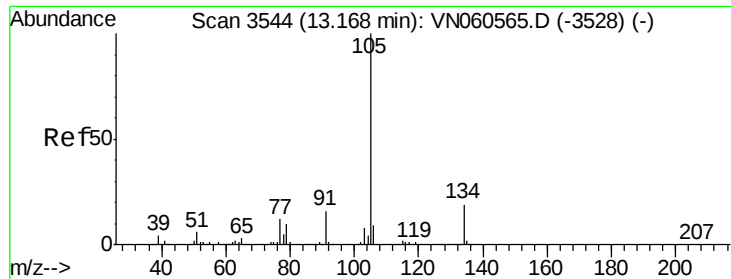
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.925 ug/l
 RT: 13.03 min Scan# 3502
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.6	22.1	66.5





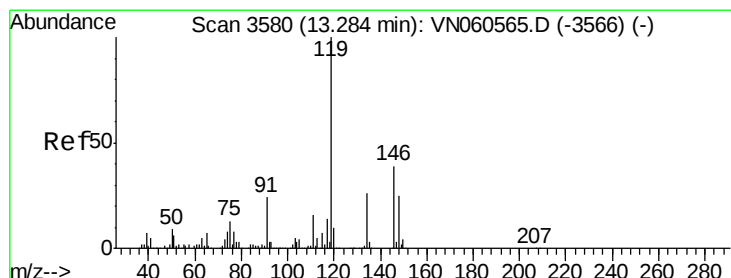
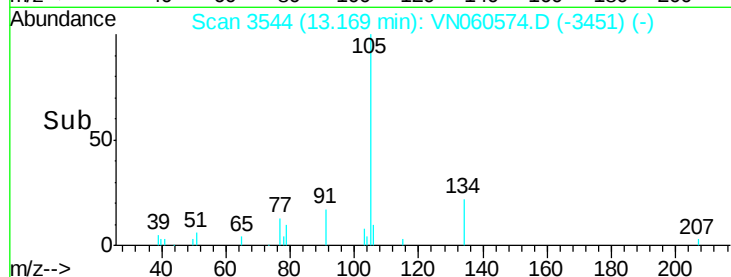
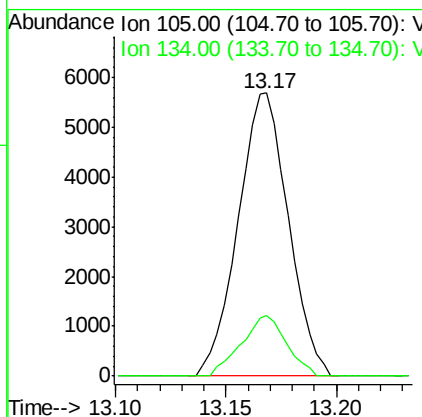
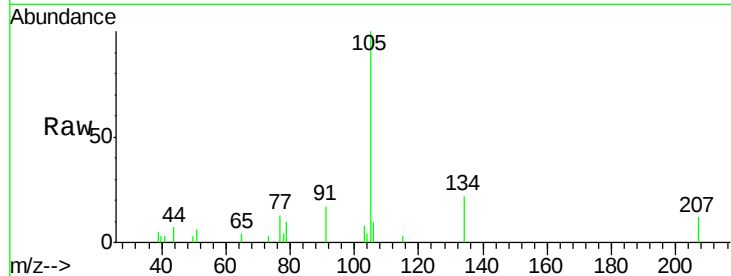
#85
 sec-Butylbenzene
 Concen: 0.960 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
105	100		
134	19.2	9.6	28.8

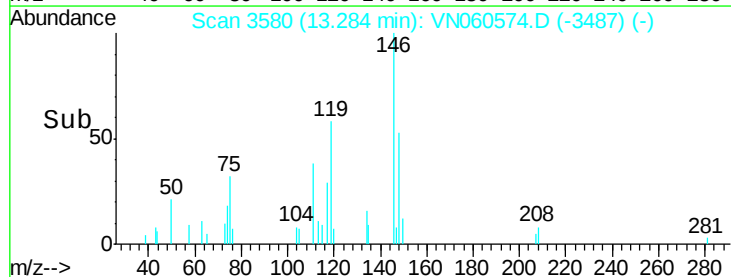
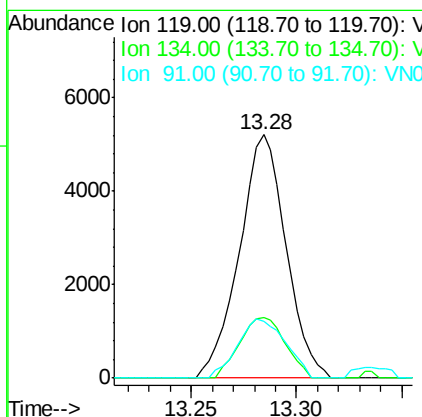
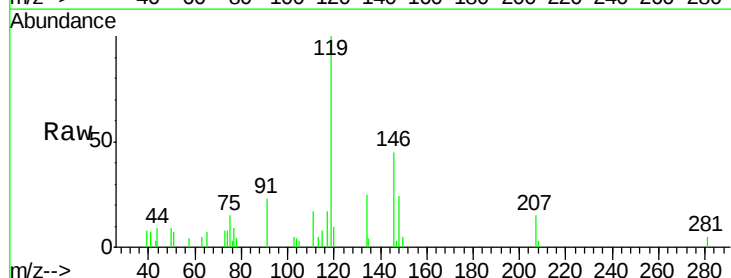
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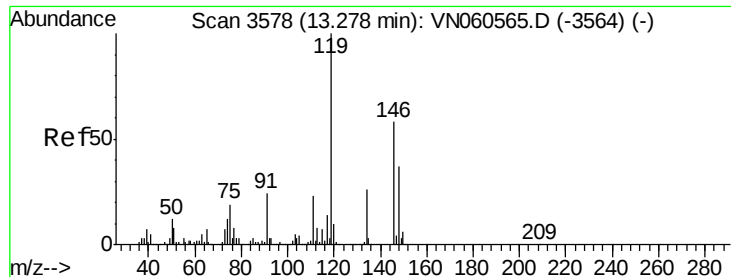
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#86
 p-Isopropyltoluene
 Concen: 0.948 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
119	100		
134	24.4	13.0	39.0
91	24.8	12.0	36.0





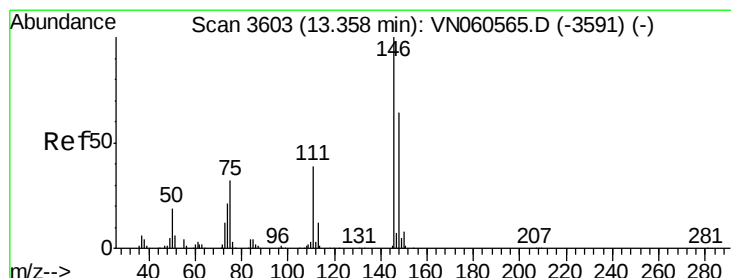
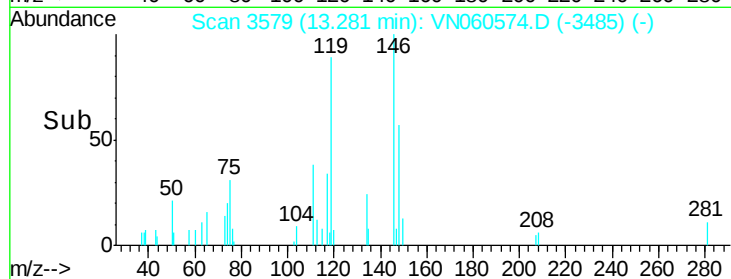
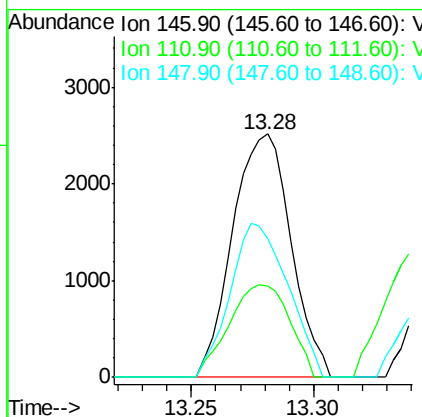
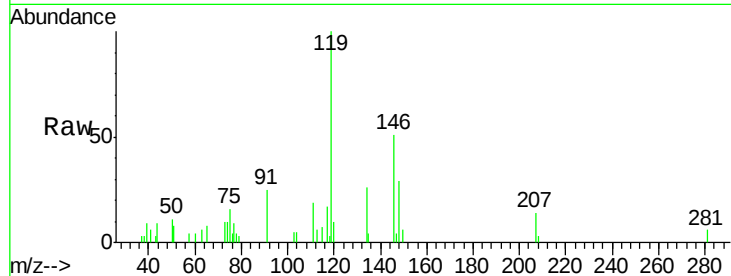
#87
 1,3-Dichlorobenzene
 Concen: 0.991 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	20.3	60.8
148	62.5	32.5	97.4

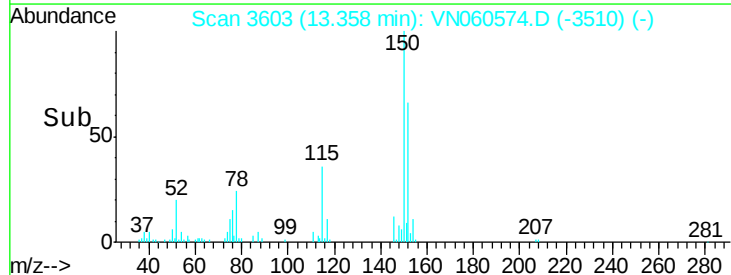
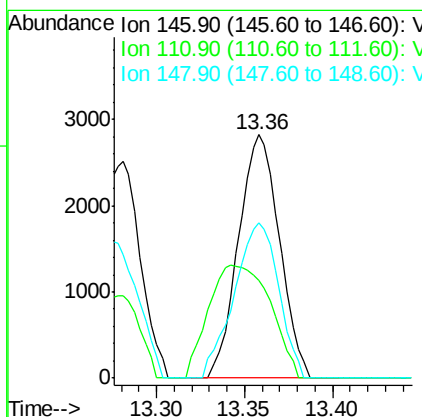
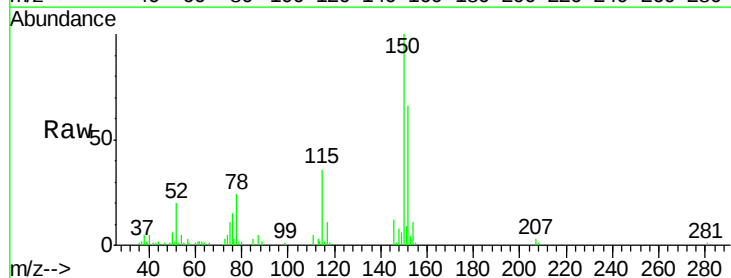
Manual Integrations
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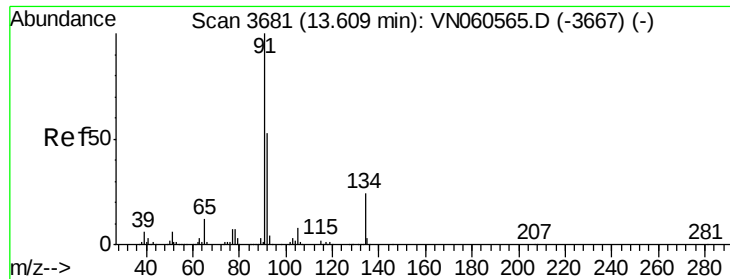
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#88
 1,4-Dichlorobenzene
 Concen: 1.077 ug/l m
 RT: 13.36 min Scan# 3603
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.1	19.6	58.7
148	57.3	32.1	96.3





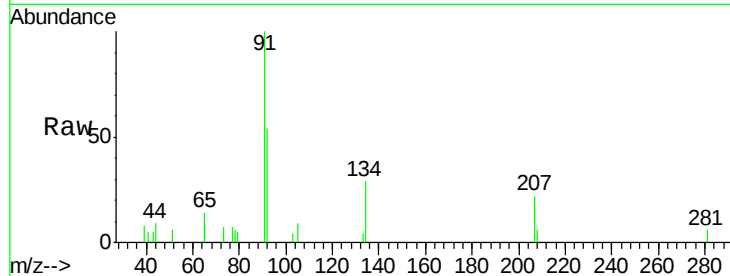
#89
n-Butylbenzene
Concen: 0.894 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

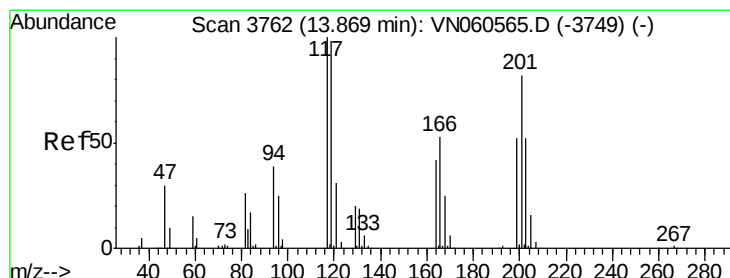
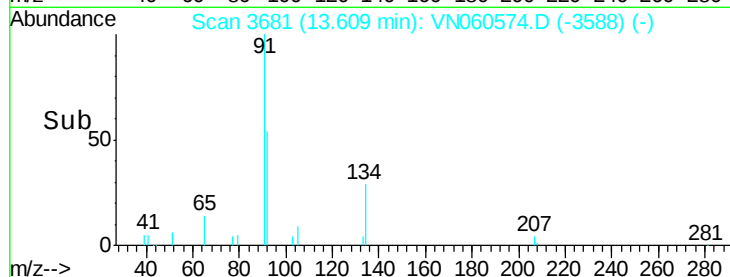
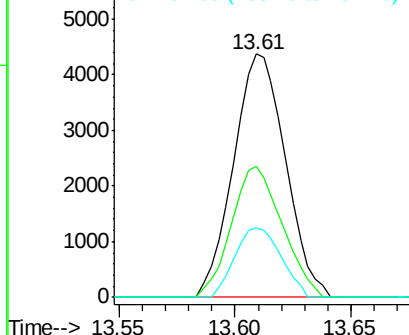
Tot Ion	Ratio	Lower	Upper
91	100		
92	52.6	26.2	78.5
134	25.2	12.3	36.9

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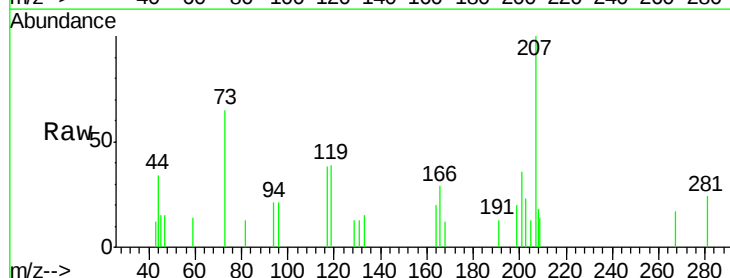


Abundance Ion 91.00 (90.70 to 91.70): VN060574.D (-3669) (-)
Ion 92.00 (91.70 to 92.70): VN060574.D (-3669) (-)
Ion 134.00 (133.70 to 134.70): VN060574.D (-3669) (-)

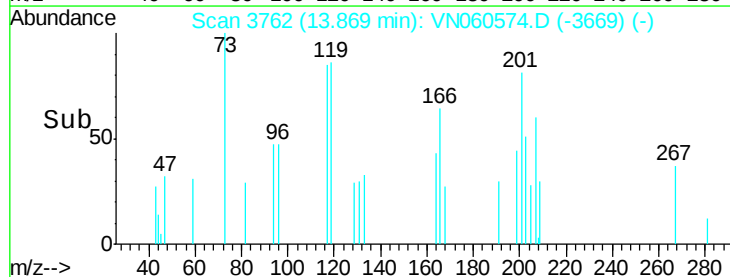
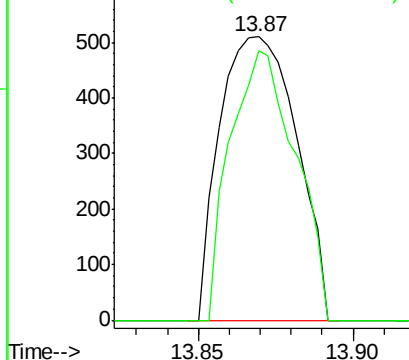


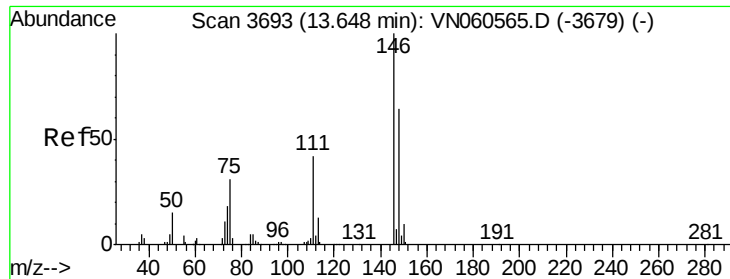
#90
Hexachloroethane
Concen: 0.720 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
117	100		
201	80.7	40.8	122.5



Abundance Ion 116.80 (116.50 to 117.50): VN060574.D (-3669) (-)
Ion 200.70 (200.40 to 201.40): VN060574.D (-3669) (-)





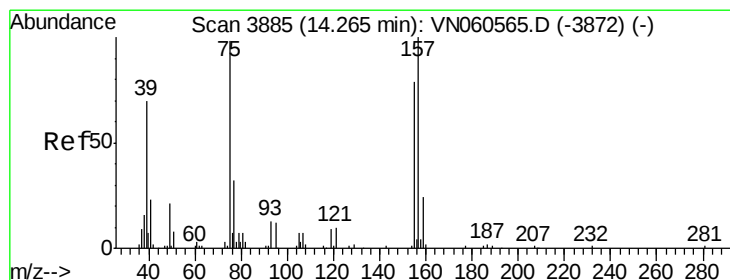
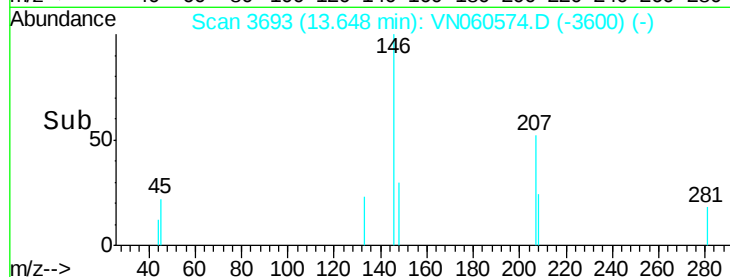
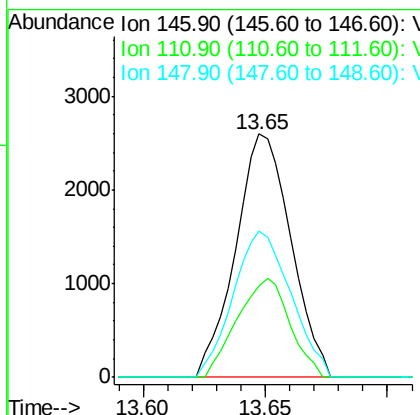
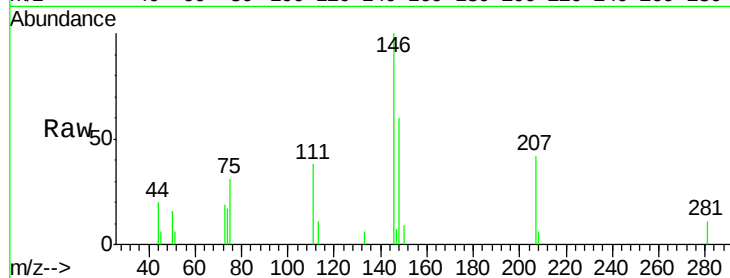
#91
 1,2-Dichlorobenzene
 Concen: 1.011 ug/l
 RT: 13.65 min Scan# 3693
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.6	21.0	63.0
148	62.6	31.9	95.5

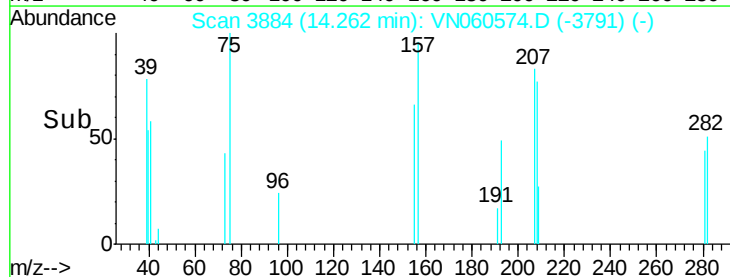
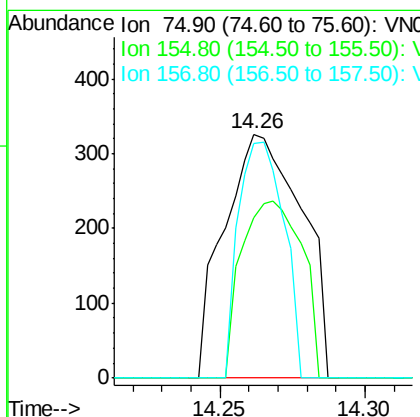
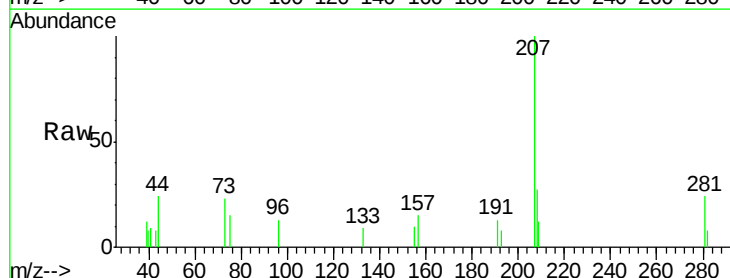
Manual Integrations
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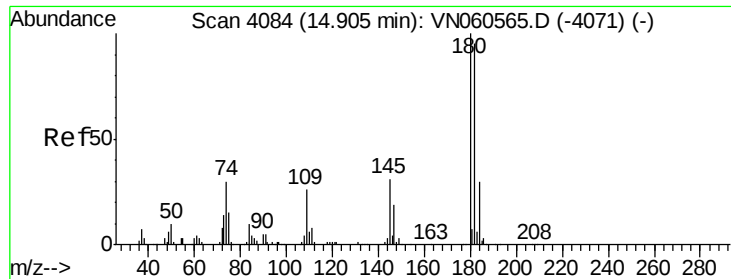
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 3/19/2020 1:02:30 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.903 ug/l
 RT: 14.26 min Scan# 3884
 Delta R.T. -0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	56.4	40.7	122.1
157	56.4	51.5	154.7





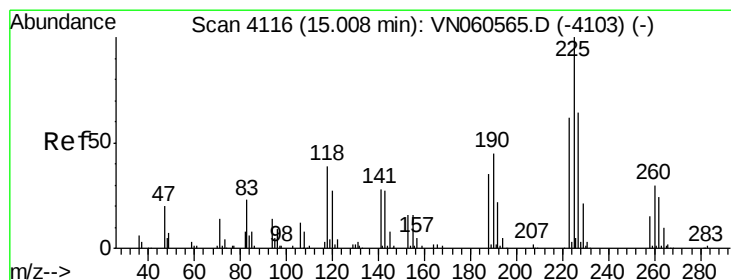
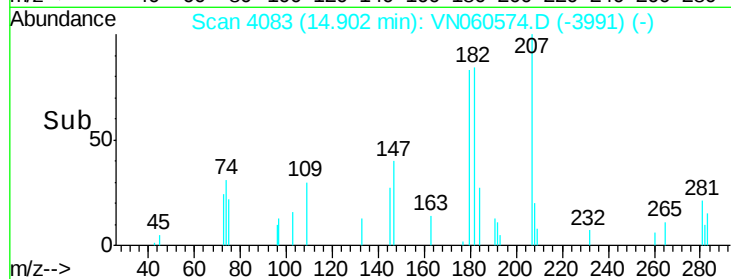
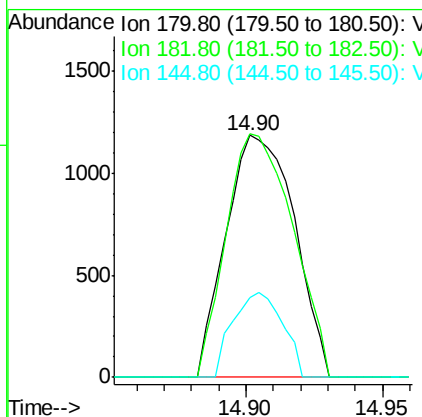
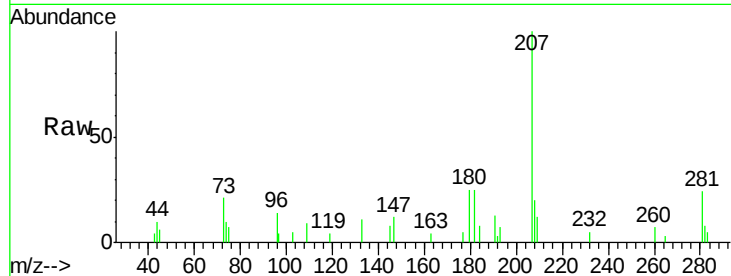
#93
 1,2,4-Trichlorobenzene
 Concen: 0.834 ug/l
 RT: 14.90 min Scan# 4083
 Delta R.T. -0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	47.9	143.8
145	25.6	15.4	46.2

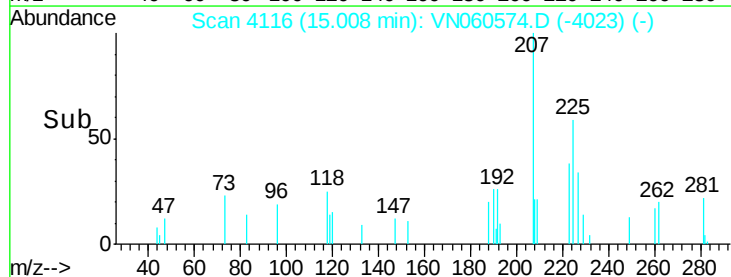
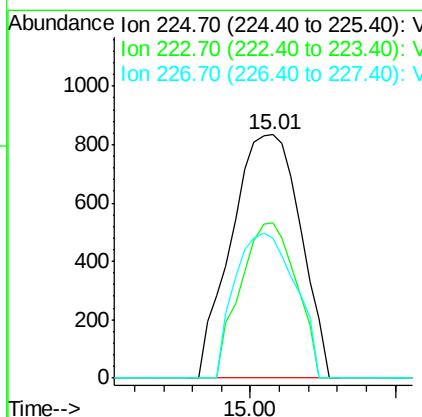
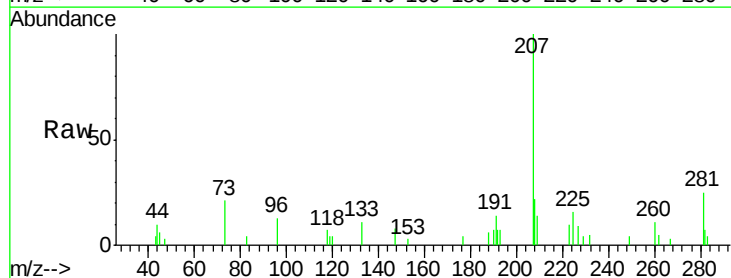
Manual Integrations
 APPROVED

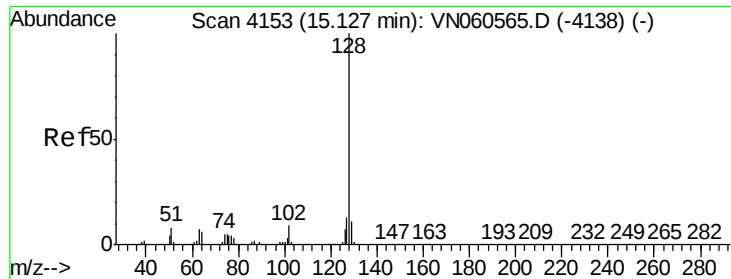
MMDadoda
 3/19/2020 1:02:30 PM



#94
 Hexachlorobutadiene
 Concen: 1.133 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN060574.D
 Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
225	100		
223	51.5	31.6	95.0
227	52.1	32.3	96.8





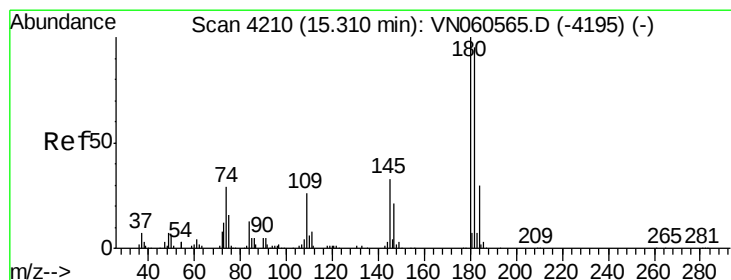
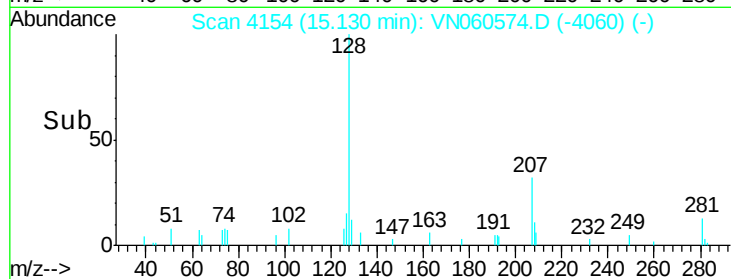
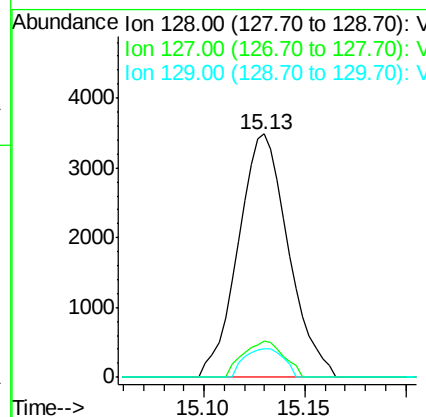
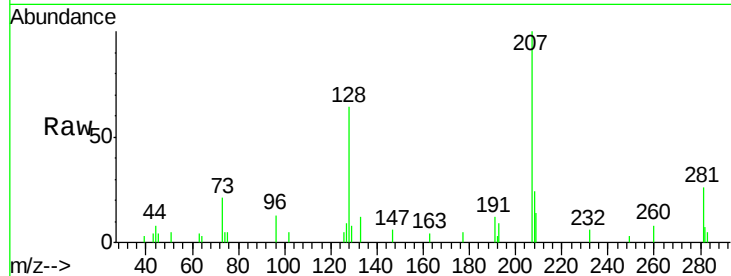
#95
Naphthalene
Concen: 0.813 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT1-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.2	15.2
129	9.2	8.8	13.2

Manual Integrations
APPROVED

MMDadoda
3/19/2020 1:02:30 PM



#96
1,2,3-Trichlorobenzene
Concen: 0.841 ug/l
RT: 15.31 min Scan# 4209
Delta R.T. -0.00 min
Lab File: VN060574.D
Acq: 17 Mar 2020 23:21

Tgt Ion	Ratio	Lower	Upper
180	100		
182	105.3	47.5	142.6
145	33.3	16.3	48.8

