

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062490.D
 Acq On : 10 Jul 2020 13:54
 Operator : JC/MD
 Sample : L3216-08 1PPB L00
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:13 AM

Quant Time: Jul 11 03:56:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jul 11 03:18:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	195888	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	338949	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	303633	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	116536	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	148949	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	
35) Dibromofluoromethane	7.55	113	104955	50.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.18%	
50) Toluene-d8	10.06	98	403050	48.73	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.46%	
62) 4-Bromofluorobenzene	12.38	95	134418	44.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.94%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.83	85	1909	0.957	ug/l	87
3) Chloromethane	2.04	50	3426	1.070	ug/l	99
4) Vinyl Chloride	2.16	62	2975	1.134	ug/l	94
5) Bromomethane	2.54	94	1539	1.092	ug/l #	73
6) Chloroethane	2.67	64	1749	1.145	ug/l	94
7) Trichlorofluoromethane	2.98	101	3795	1.139	ug/l	98
8) Diethyl Ether	3.38	74	1345	0.903	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.72	101	1960	0.993	ug/l #	75
10) Methyl Iodide	3.91	142	1887	0.724	ug/l #	80
11) Tert butyl alcohol	4.73	59	2854	5.710	ug/l #	74
12) 1,1-Dichloroethene	3.69	96	2262	1.125	ug/l #	70
13) Acrolein	3.58	56	1408	3.905	ug/l	98
14) Allyl chloride	4.27	41	4585m	0.970	ug/l	
15) Acrylonitrile	4.95	53	5892	4.495	ug/l	98
16) Acetone	3.79	43	6545	5.117	ug/l	97
17) Carbon Disulfide	4.01	76	7494	1.189	ug/l	98
18) Methyl Acetate	4.28	43	3803	1.191	ug/l	94
19) Methyl tert-butyl Ether	4.99	73	7520	0.987	ug/l	93
20) Methylene Chloride	4.51	84	3650	1.335	ug/l #	88
21) trans-1,2-Dichloroethene	4.98	96	2220	1.019	ug/l #	60
22) Diisopropyl ether	5.91	45	8812	0.943	ug/l #	75
23) Vinyl Acetate	5.85	43	33568	4.337	ug/l	99
24) 1,1-Dichloroethane	5.80	63	4778	0.990	ug/l #	85
25) 2-Butanone	6.80	43	8492	4.546	ug/l	94
26) 2,2-Dichloropropane	6.78	77	4283	1.157	ug/l #	72
27) cis-1,2-Dichloroethene	6.79	96	2629	1.042	ug/l	97
28) Bromochloromethane	7.15	49	2319	0.884	ug/l #	64
29) Tetrahydrofuran	7.17	42	6117	4.863	ug/l	94
30) Chloroform	7.33	83	4797	1.101	ug/l	88
31) Cyclohexane	7.62	56	8703	1.902	ug/l #	20
32) 1,1,1-Trichloroethane	7.53	97	3637	1.003	ug/l #	55
36) 1,1-Dichloropropene	7.75	75	3399	0.995	ug/l #	79
37) Ethyl Acetate	6.88	43	4308m	1.079	ug/l	
38) Carbon Tetrachloride	7.74	117	3248m	1.058	ug/l	

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.04	83	3518	0.965	ug/l	95
40) Benzene	8.00	78	10809	1.074	ug/l	98
41) Methacrylonitrile	7.15	41	2146m	1.286	ug/l	
42) 1,2-Dichloroethane	8.09	62	4107	1.114	ug/l	80
43) Isopropyl Acetate	8.12	43	6243	0.990	ug/l #	88
44) Trichloroethene	8.80	130	2260	1.012	ug/l	92
45) 1,2-Dichloropropane	9.08	63	2996	1.025	ug/l	91
46) Dibromomethane	9.18	93	1733	1.051	ug/l	94
47) Bromodichloromethane	9.37	83	3544	1.005	ug/l #	92
48) Methyl methacrylate	9.17	41	2725	0.881	ug/l	99
49) 1,4-Dioxane	9.17	88	753	16.720	ug/l #	74
51) 4-Methyl-2-Pentanone	9.95	43	17006	4.514	ug/l	98
52) Toluene	10.13	92	6028	1.037	ug/l	98
53) t-1,3-Dichloropropene	10.36	75	3457	0.875	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	3880	0.890	ug/l #	86
55) 1,1,2-Trichloroethane	10.54	97	2205	0.964	ug/l	99
56) Ethyl methacrylate	10.40	69	3279	0.858	ug/l	91
57) 1,3-Dichloropropane	10.68	76	3914	0.927	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.67	63	4044	2.981	ug/l	94
59) 2-Hexanone	10.73	43	12092	4.421	ug/l	91
60) Dibromochloromethane	10.88	129	2288	0.923	ug/l	99
61) 1,2-Dibromoethane	10.98	107	2273	0.985	ug/l	98
64) Tetrachloroethene	10.61	164	1636	0.908	ug/l	92
65) Chlorobenzene	11.41	112	5908	1.001	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.48	131	2207	1.014	ug/l #	65
67) Ethyl Benzene	11.48	91	10613	0.958	ug/l	98
68) m/p-Xylenes	11.60	106	7384	1.883	ug/l	99
69) o-Xylene	11.92	106	3126	0.819	ug/l	75
70) Styrene	11.94	104	5481	0.869	ug/l	94
71) Bromoform	12.09	173	1611	1.010	ug/l #	78
73) Isopropylbenzene	12.22	105	8954	0.993	ug/l	99
74) N-amyl acetate	12.05	43	4113	0.937	ug/l #	84
75) 1,1,2,2-Tetrachloroethane	12.48	83	3572	1.178	ug/l #	93
76) 1,2,3-Trichloropropane	12.53	75	3338m	1.167	ug/l	
77) Bromobenzene	12.50	156	2487	1.213	ug/l	93
78) n-propylbenzene	12.57	91	10983	1.043	ug/l	97
79) 2-Chlorotoluene	12.65	91	7376	1.154	ug/l	92
80) 1,3,5-Trimethylbenzene	12.71	105	7089	0.959	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.28	75	1039m	0.973	ug/l	
82) 4-Chlorotoluene	12.75	91	6723	1.036	ug/l	99
83) tert-Butylbenzene	12.97	119	6151	0.980	ug/l	95
84) 1,2,4-Trimethylbenzene	13.02	105	6607	0.899	ug/l	95
85) sec-Butylbenzene	13.15	105	7999	0.962	ug/l	98
86) p-Isopropyltoluene	13.26	119	5777	0.805	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	3762	1.064	ug/l	93
88) 1,4-Dichlorobenzene	13.34	146	3955m	1.087	ug/l	
89) n-Butylbenzene	13.59	91	5332	0.842	ug/l	98
90) Hexachloroethane	13.85	117	1440	1.020	ug/l	100
91) 1,2-Dichlorobenzene	13.63	146	3721	1.088	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.25	75	547	0.989	ug/l #	61

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QLast Update : Sat Jul 11 03:18:07 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	1080	0.701	ug/l	92
94) Hexachlorobutadiene	14.98	225	977	1.076	ug/l	90
95) Naphthalene	15.11	128	3634	0.836	ug/l #	88
96) 1,2,3-Trichlorobenzene	15.29	180	1334	0.832	ug/l	88

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

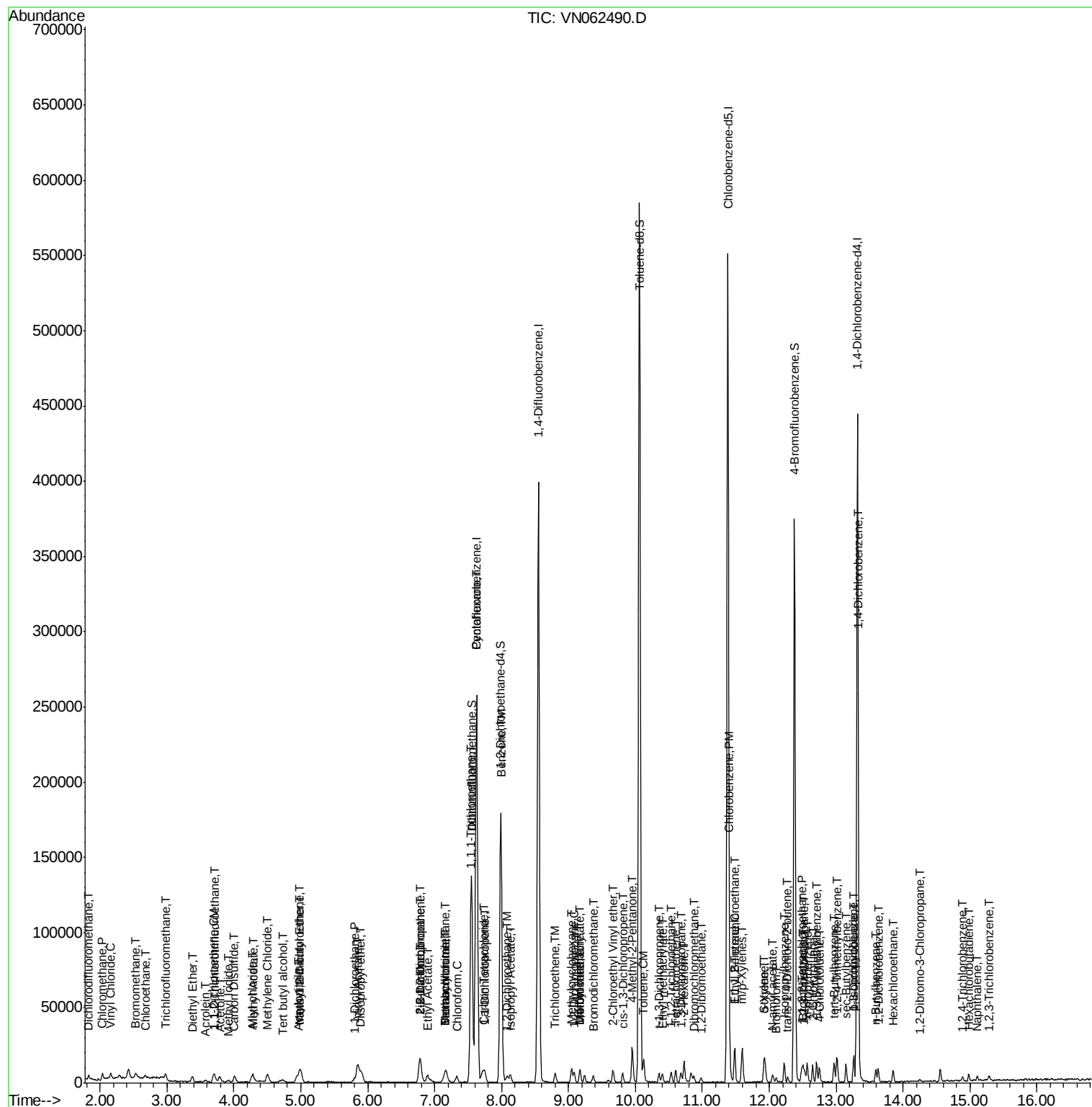
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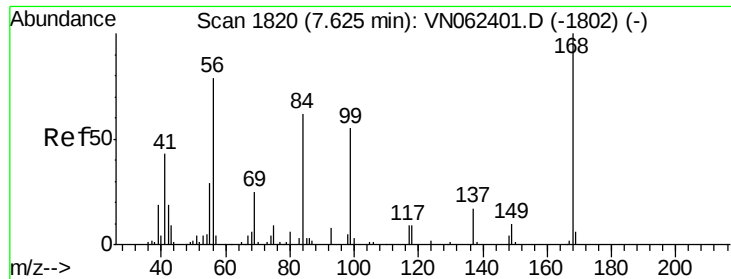
Instrument :
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:168 Resp: 195888

Ion Ratio Lower Upper

168 100

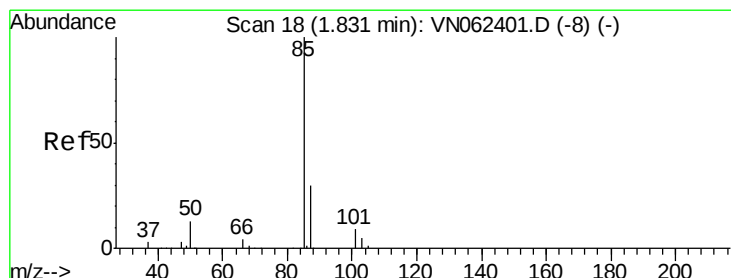
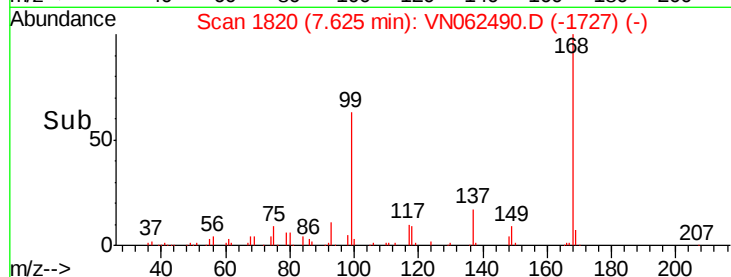
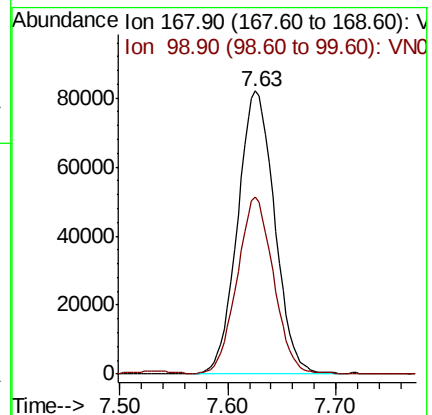
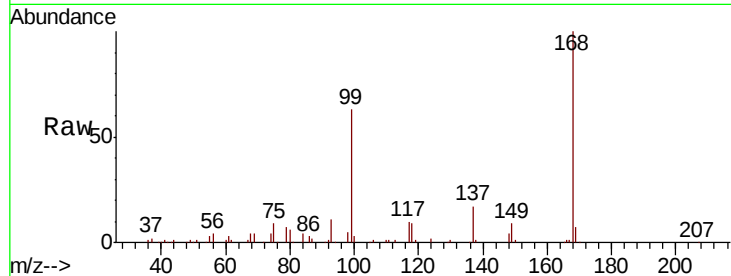
99 62.4 48.8 73.2

Manual Integrations

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7/13/2020 11:19:13 AM



#2

Dichlorodifluoromethane

Concen: 0.957 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062490.D

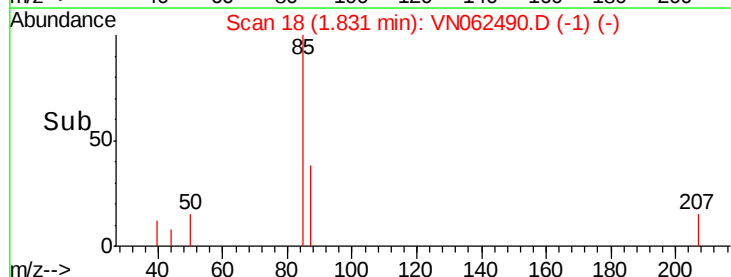
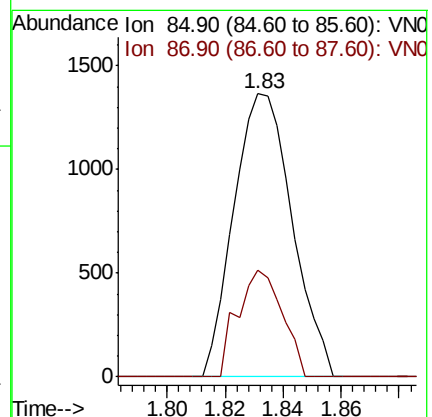
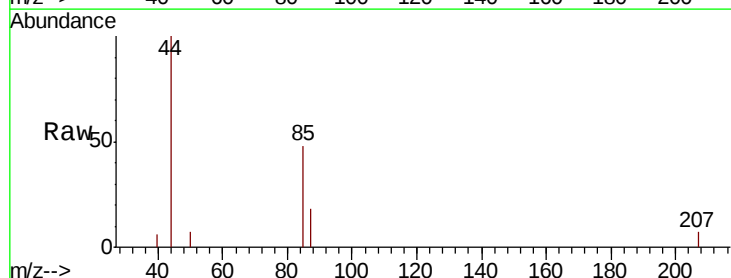
Acq: 10 Jul 2020 13:54

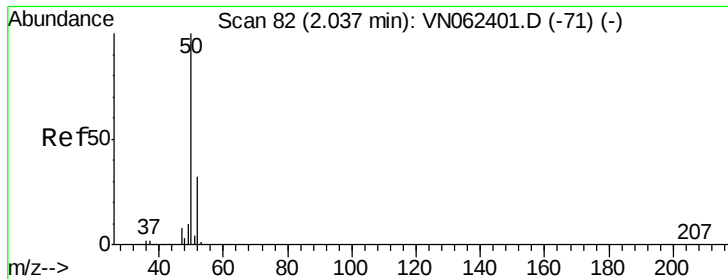
Tgt Ion: 85 Resp: 1909

Ion Ratio Lower Upper

85 100

87 37.5 15.2 45.5





#3

Chloromethane

Concen: 1.070 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 50 Resp: 3426

Ion Ratio Lower Upper

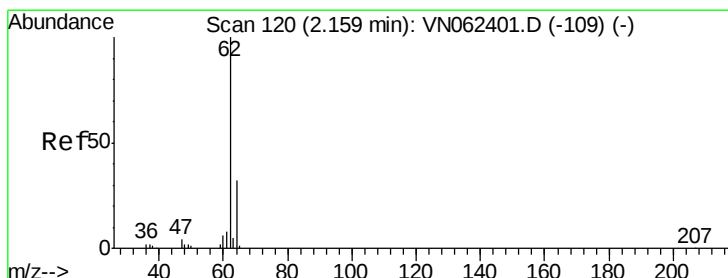
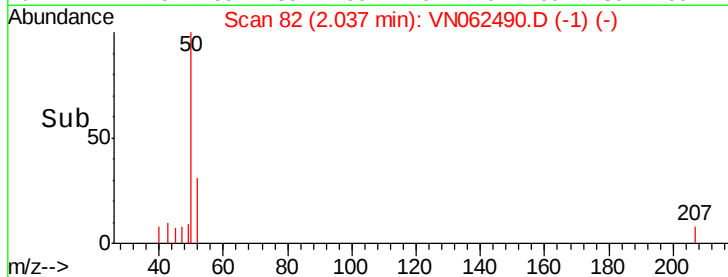
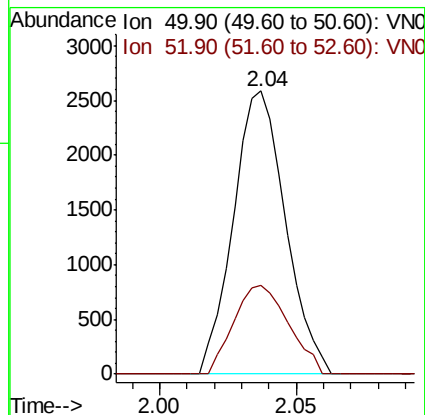
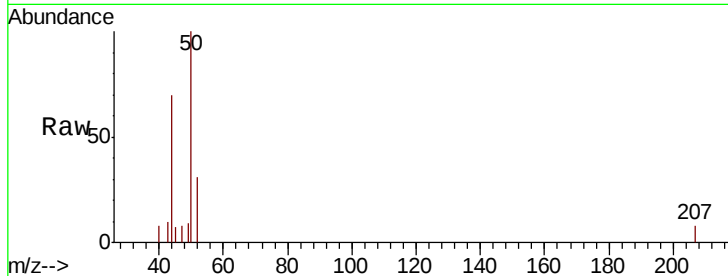
50 100

52 31.2 25.5 38.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 1.134 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062490.D

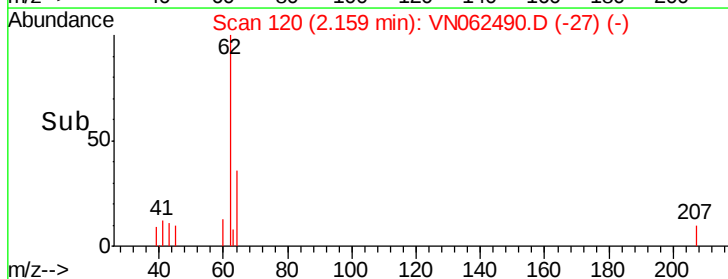
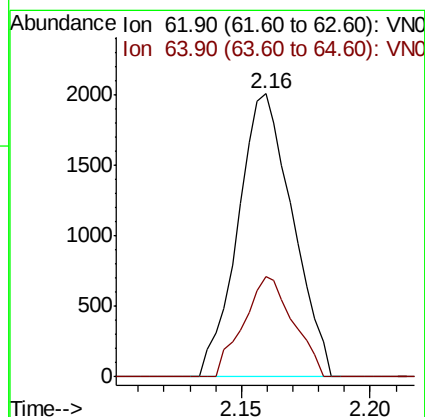
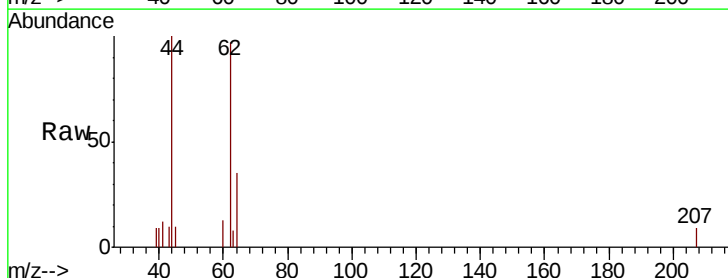
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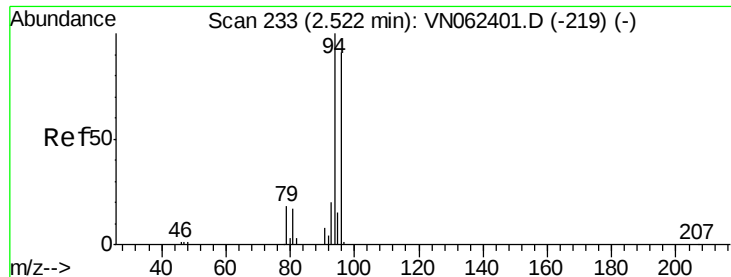
Tgt Ion: 62 Resp: 2975

Ion Ratio Lower Upper

62 100

64 35.6 25.7 38.5





#5

Bromomethane

Concen: 1.092 ug/l

RT: 2.54 min Scan# 237

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 94 Resp: 1539

Ion Ratio Lower Upper

94 100

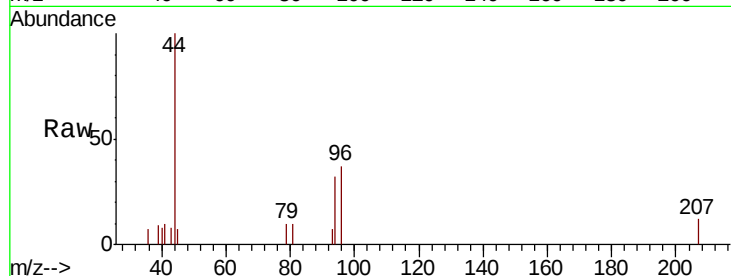
96 117.0 73.2 109.8#

Manual Integrations

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Abundance Ion 93.90 (93.60 to 94.60): VN062490.D (-140) (-)

Ion 95.90 (95.60 to 96.60): VN062490.D (-140) (-)

1000

800

600

400

200

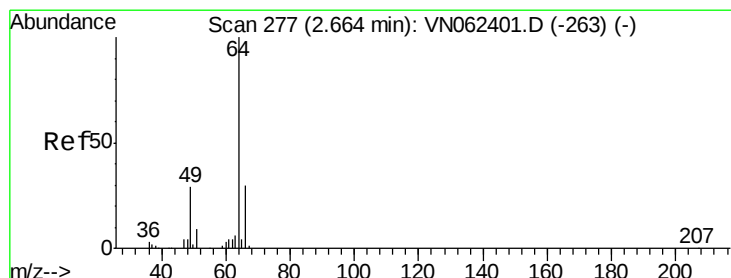
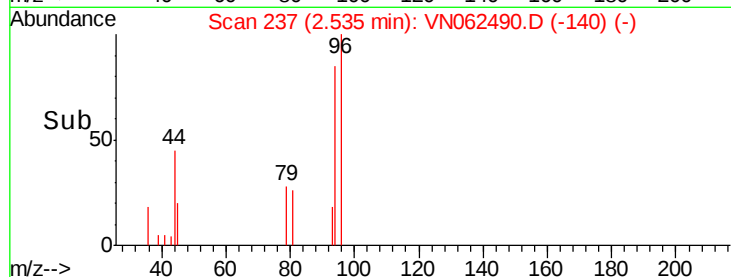
0

2.50

2.55

2.54

Time-->



#6

Chloroethane

Concen: 1.145 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.01 min

Lab File: VN062490.D

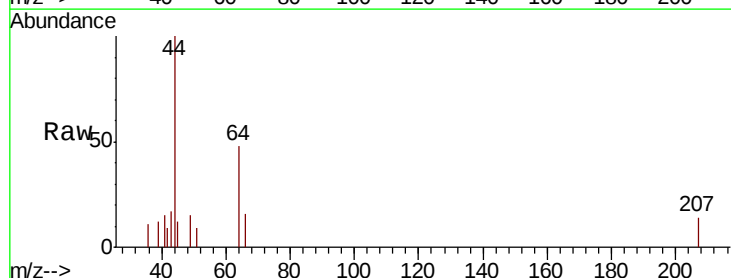
Acq: 10 Jul 2020 13:54

Tgt Ion: 64 Resp: 1749

Ion Ratio Lower Upper

64 100

66 33.4 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN062490.D (-184) (-)

Ion 65.90 (65.60 to 66.60): VN062490.D (-184) (-)

1000

800

600

400

200

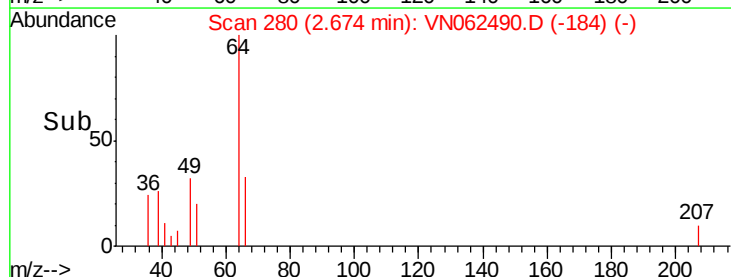
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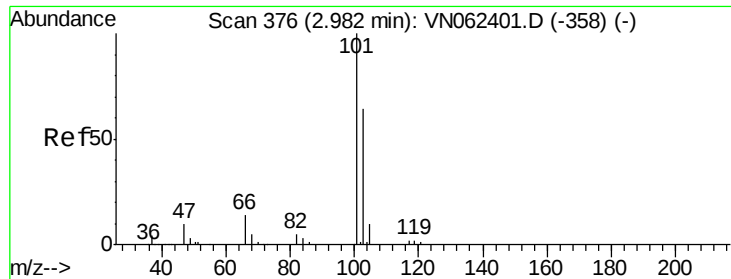
2.65

2.70

2.67

Time-->





#7

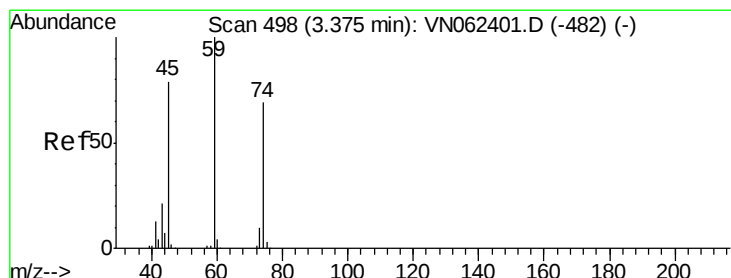
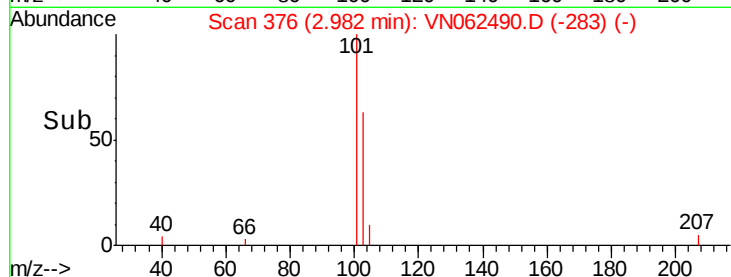
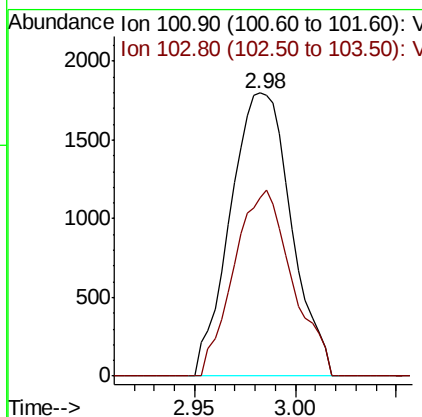
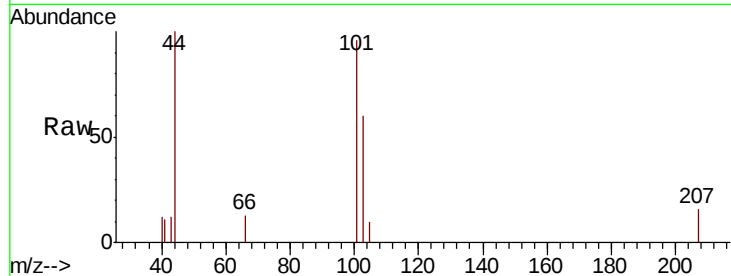
Trichlorofluoromethane
 Concen: 1.139 ug/l
 RT: 2.98 min Scan# 376
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
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 LOQ-WATER-02-QT3-2020

Tot Ion: 101 Resp: 3795
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.6 77.4

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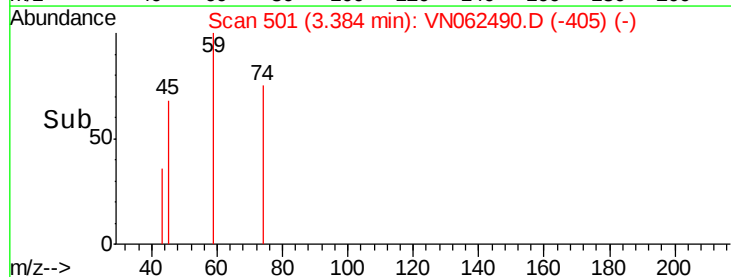
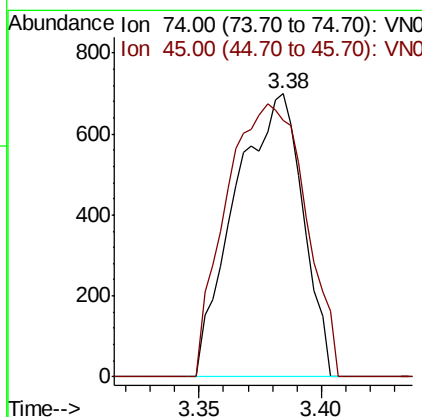
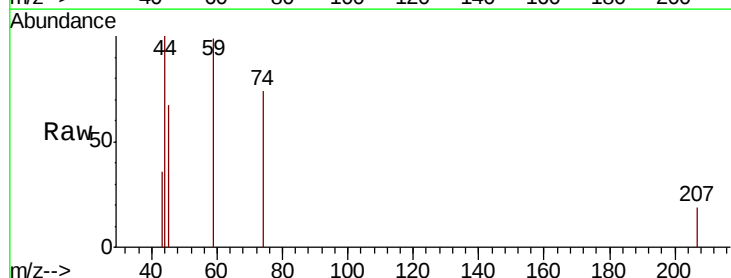
MMDadoda
 7/13/2020 11:19:13 AM

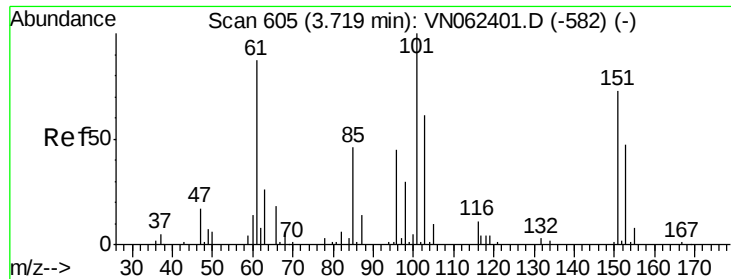


#8

Diethyl Ether
 Concen: 0.903 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion: 74 Resp: 1345
 Ion Ratio Lower Upper
 74 100
 45 113.3 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.993 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

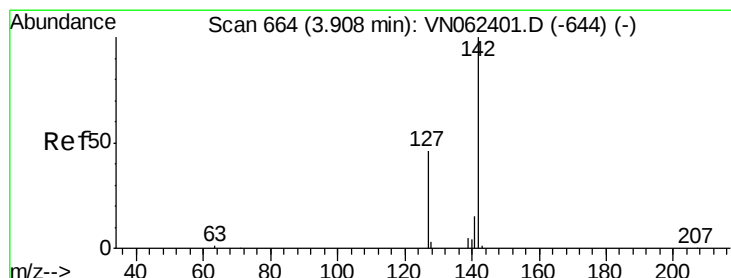
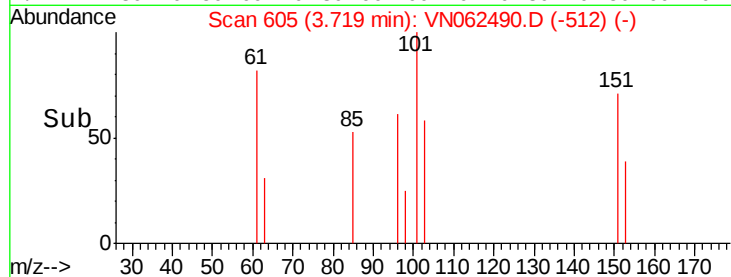
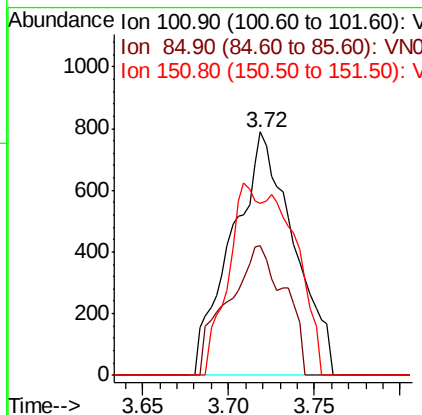
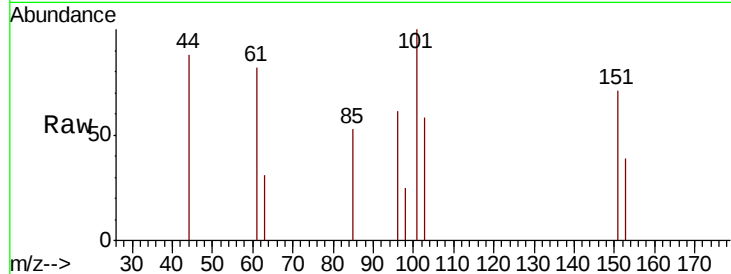
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	101	Resp:	1960
Ion Ratio	Lower	Upper	
101	100		
85	48.9	36.7	55.1
151	41.1	58.3	87.5#

Manual Integrations
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MMDadoda
7/13/2020 11:19:13 AM



#10

Methyl Iodide

Concen: 0.724 ug/l

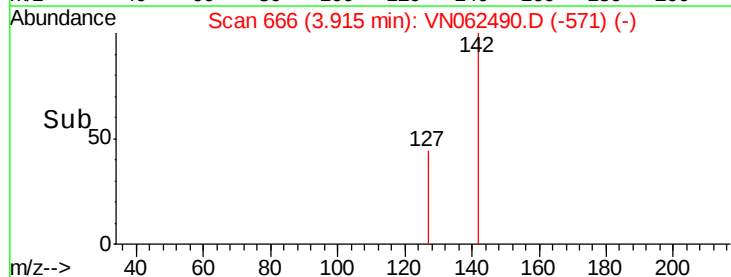
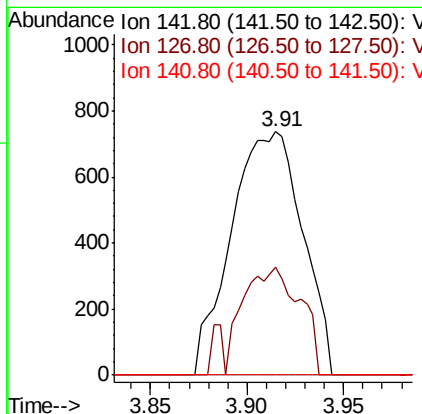
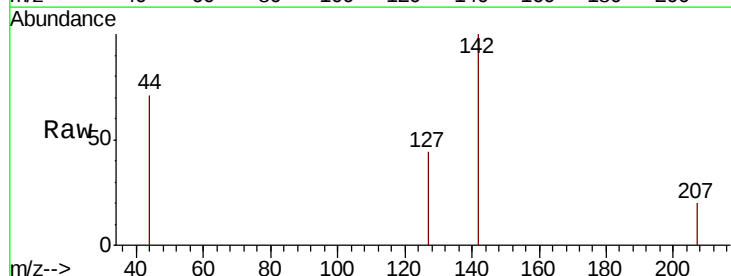
RT: 3.91 min Scan# 666

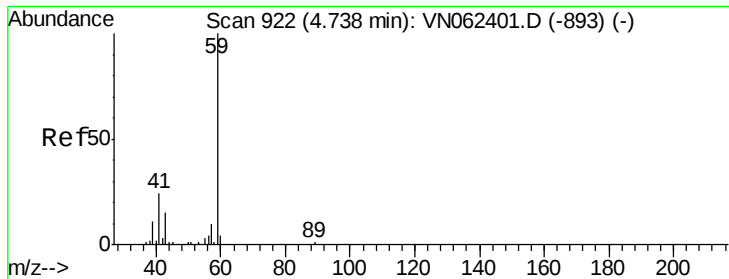
Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion:	142	Resp:	1887
Ion Ratio	Lower	Upper	
142	100		
127	35.5	36.1	54.1#
141	0.0	11.4	17.0#





#11

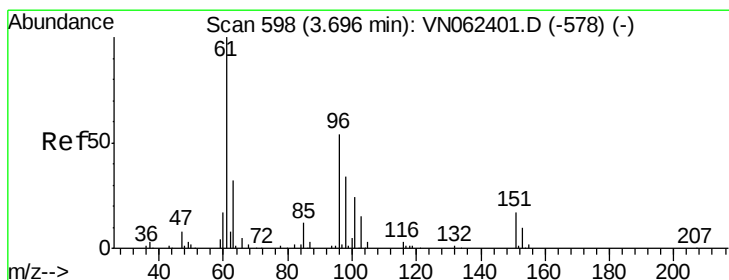
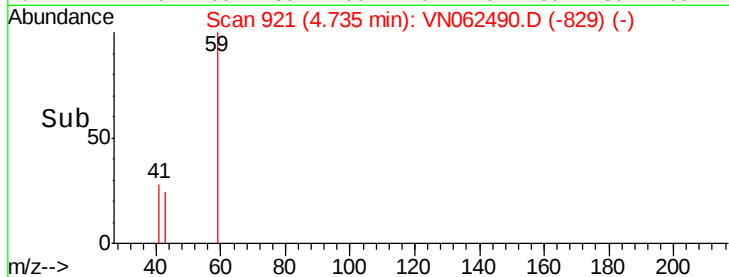
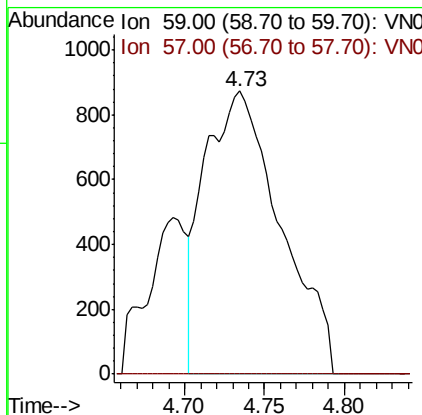
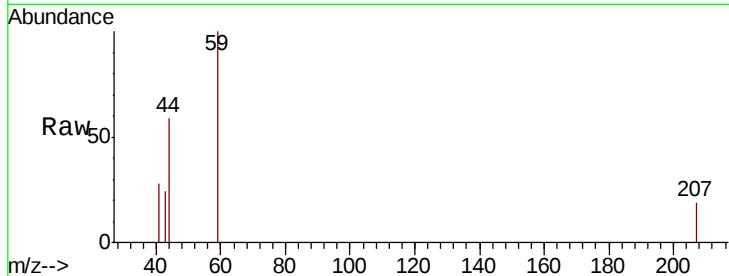
Tert butyl alcohol
Concen: 5.710 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 59 Resp: 2854
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#

Manual Integrations
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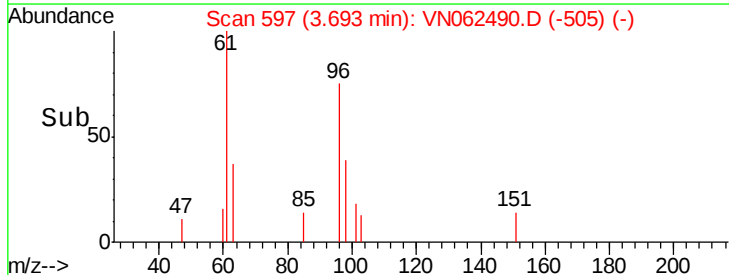
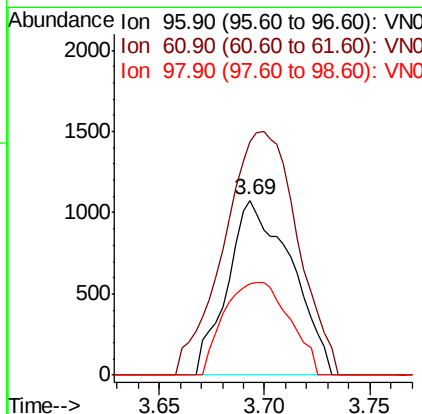
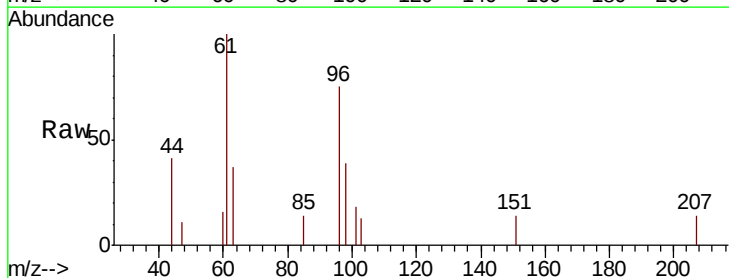
MMDadoda
7/13/2020 11:19:13 AM

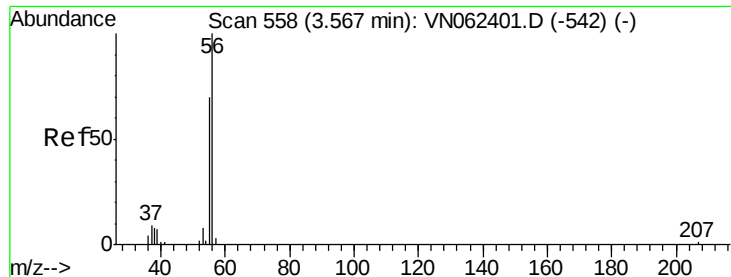


#12

1,1-Dichloroethene
Concen: 1.125 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 96 Resp: 2262
Ion Ratio Lower Upper
96 100
61 133.8 147.4 221.0#
98 52.2 50.4 75.6





#13

Acrolein

Concen: 3.905 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 56 Resp: 1408

Ion Ratio Lower Upper

56 100

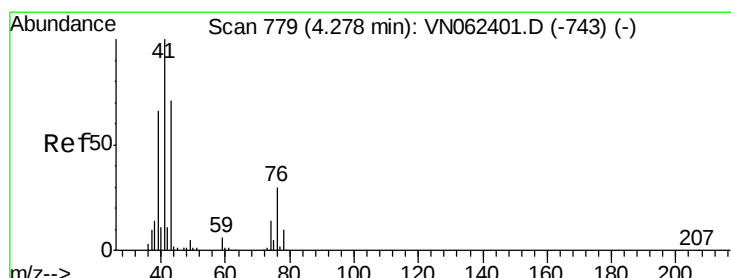
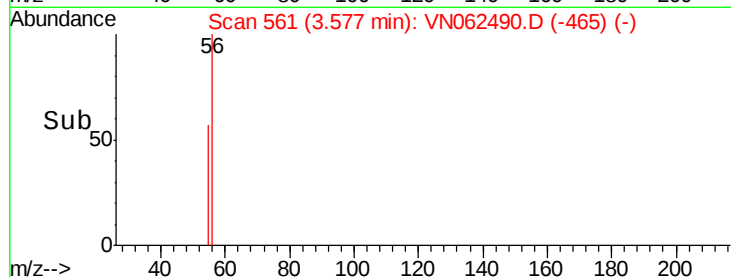
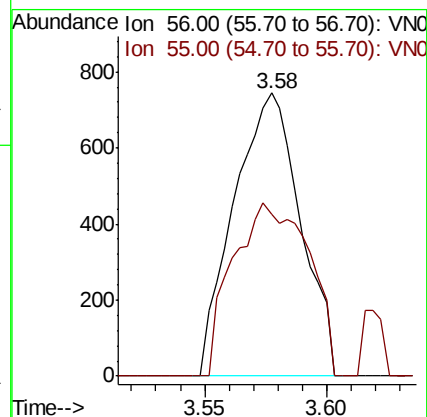
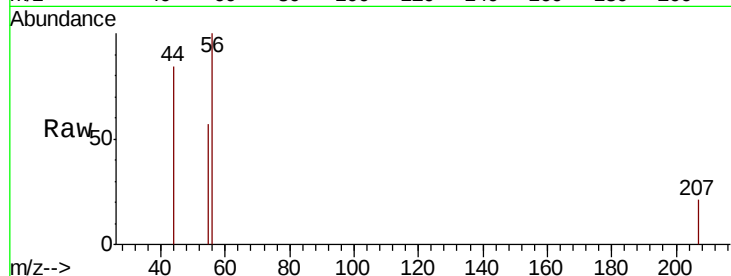
55 70.1 57.2 85.8

Manual Integrations

APPROVED

MMDadoda

7/13/2020 11:19:13 AM



#14

Allyl chloride

Concen: 0.970 ug/l m

RT: 4.27 min Scan# 776

Delta R.T. -0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

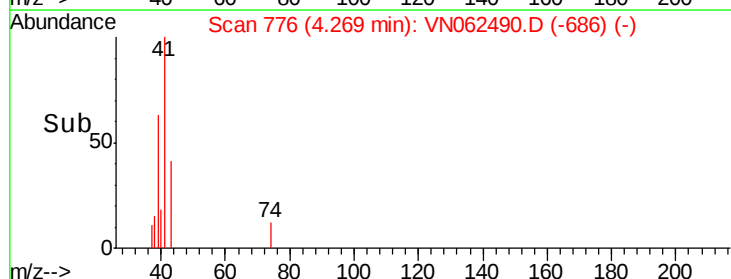
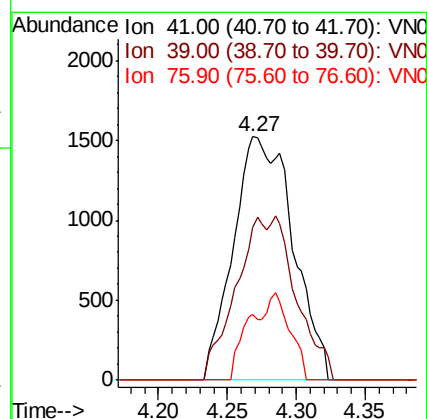
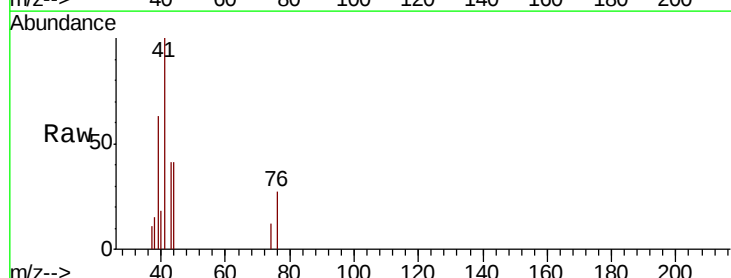
Tgt Ion: 41 Resp: 4585

Ion Ratio Lower Upper

41 100

39 35.3 49.6 74.4#

76 9.8 22.2 33.4#





#15

Acrylonitrile

Concen: 4.495 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.02 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

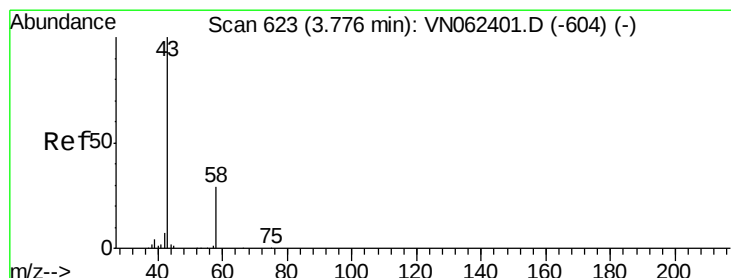
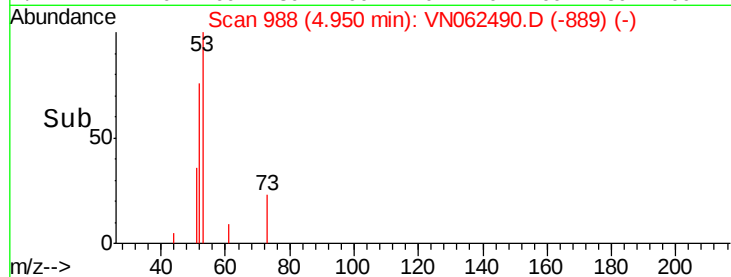
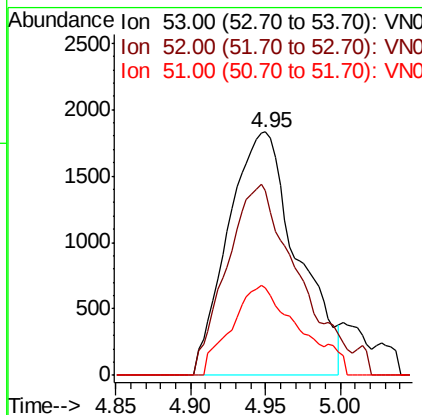
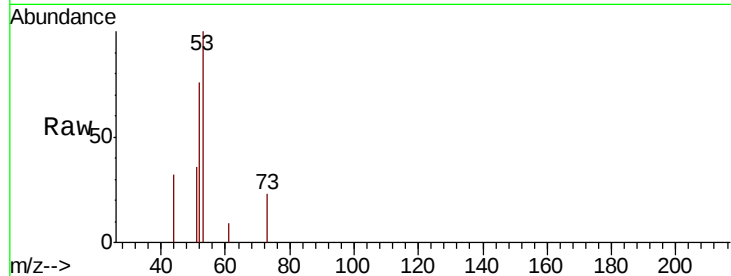
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	53	Resp:	5892
Ion	Ratio	Lower	Upper
53	100		
52	80.8	66.2	99.4
51	36.3	28.7	43.1

Manual Integrations
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MMDadoda
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#16

Acetone

Concen: 5.117 ug/l

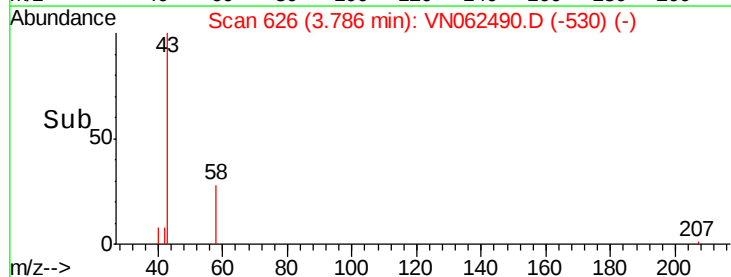
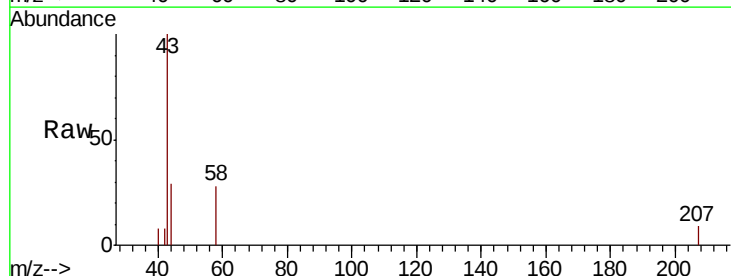
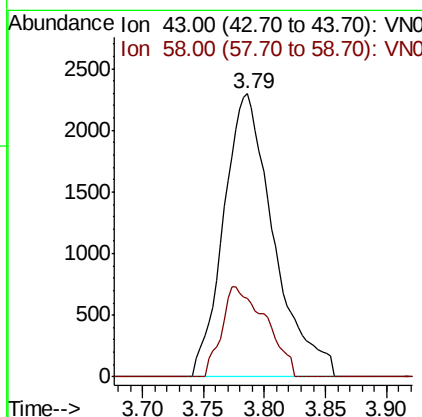
RT: 3.79 min Scan# 626

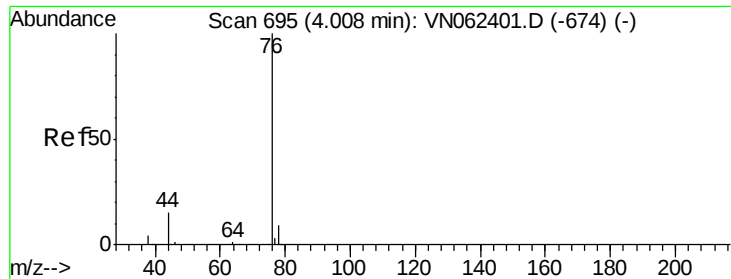
Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion:	43	Resp:	6545
Ion	Ratio	Lower	Upper
43	100		
58	27.6	23.5	35.3





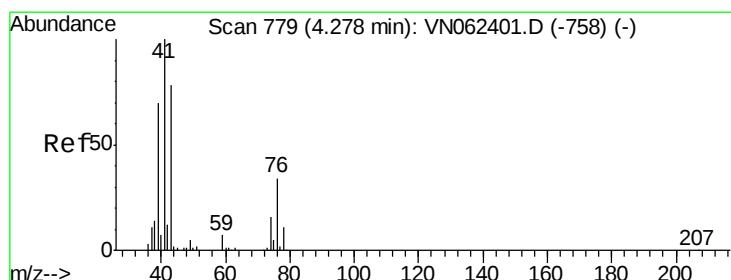
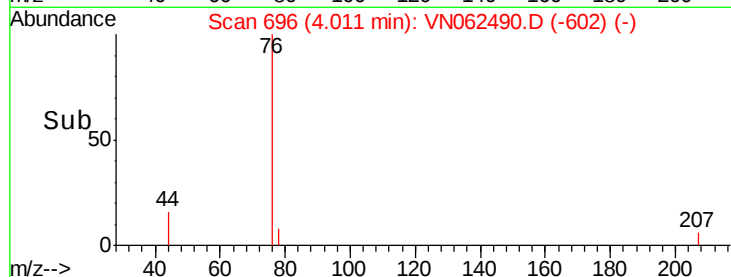
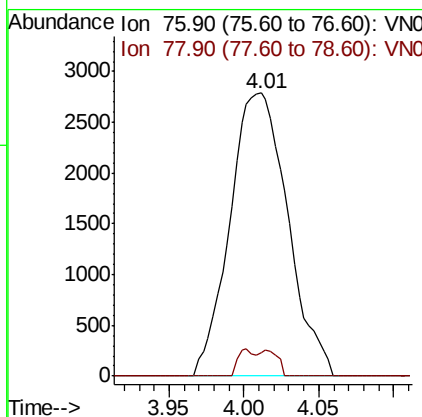
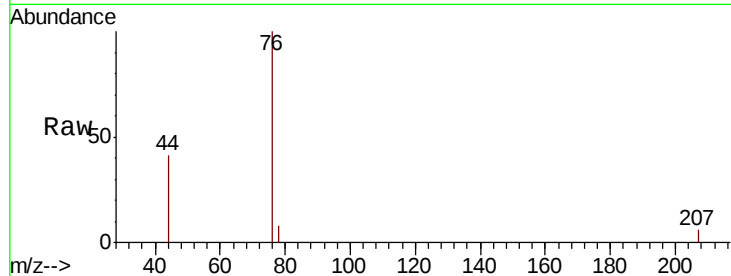
#17
Carbon Disulfide
Concen: 1.189 ug/l
RT: 4.01 min Scan# 696
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 76 Resp: 7494
Ion Ratio Lower Upper
76 100
78 8.4 7.3 10.9

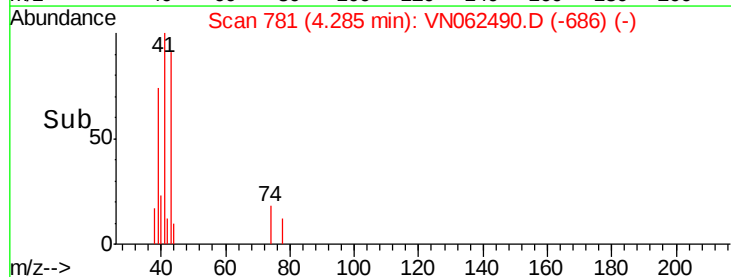
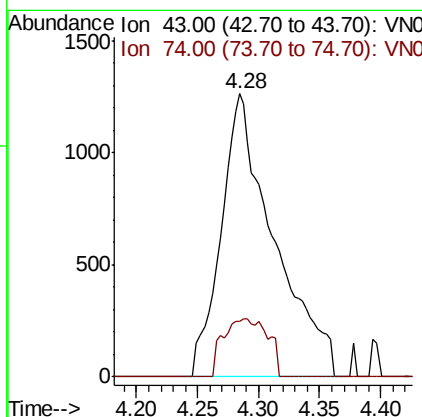
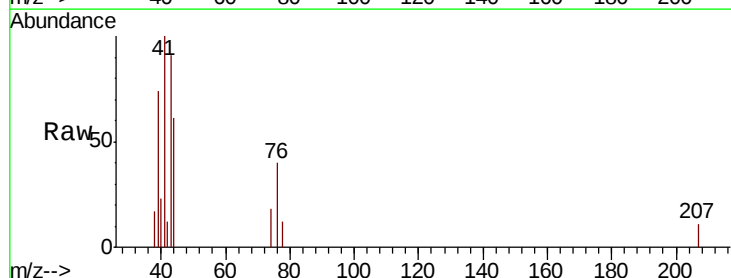
Manual Integrations
APPROVED

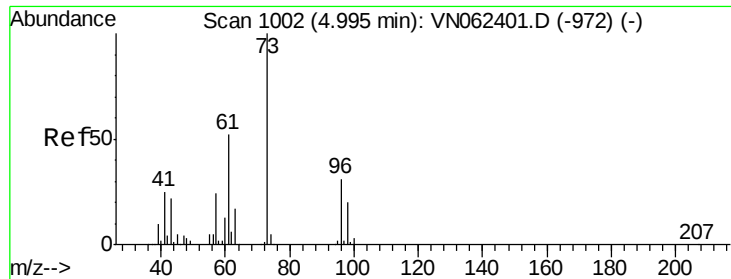
MMDadoda
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#18
Methyl Acetate
Concen: 1.191 ug/l
RT: 4.28 min Scan# 781
Delta R.T. 0.01 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 43 Resp: 3803
Ion Ratio Lower Upper
43 100
74 17.3 16.0 24.0





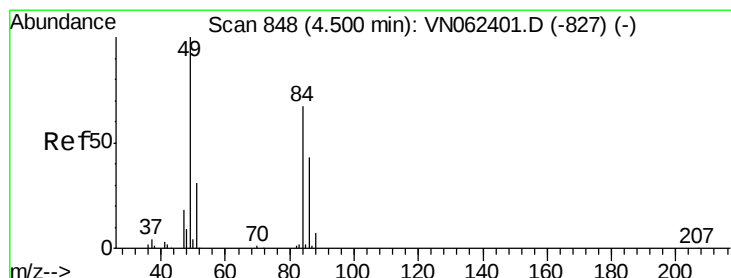
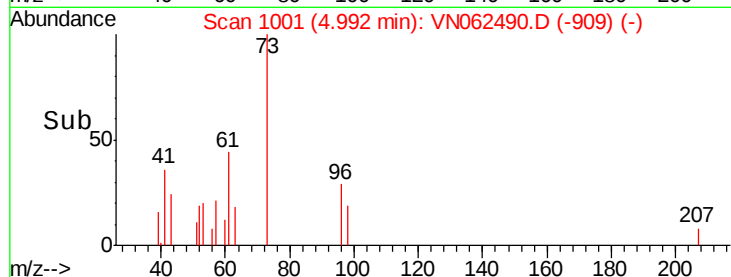
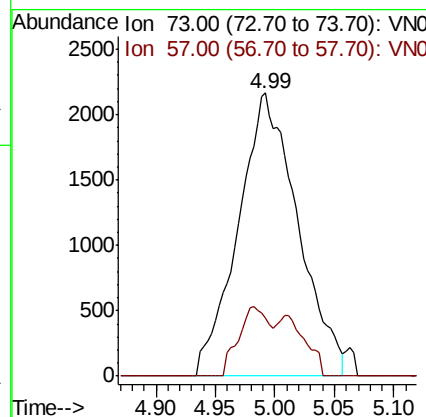
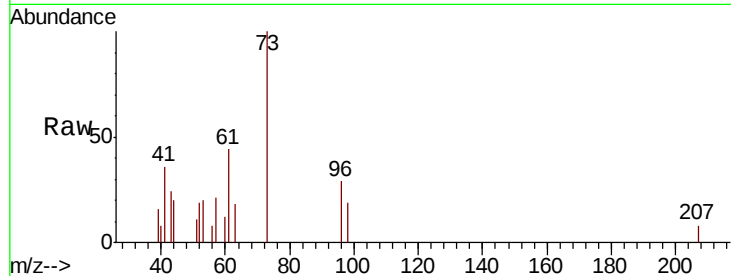
#19
Methyl tert-butyl Ether
Concen: 0.987 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 73 Resp: 7520
Ion Ratio Lower Upper
73 100
57 20.5 19.4 29.0

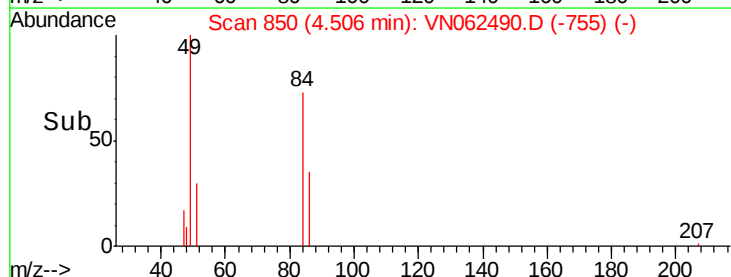
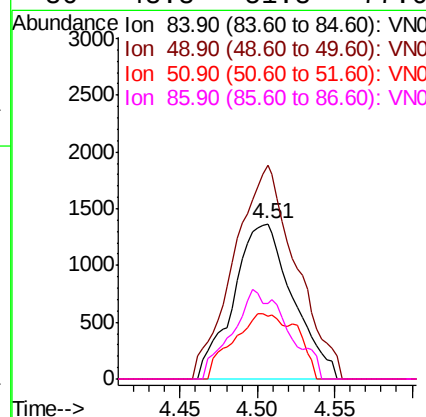
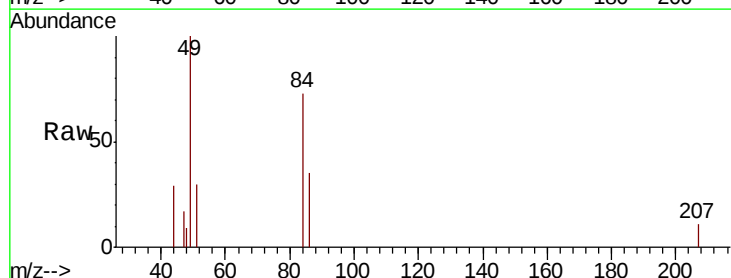
Manual Integrations
APPROVED

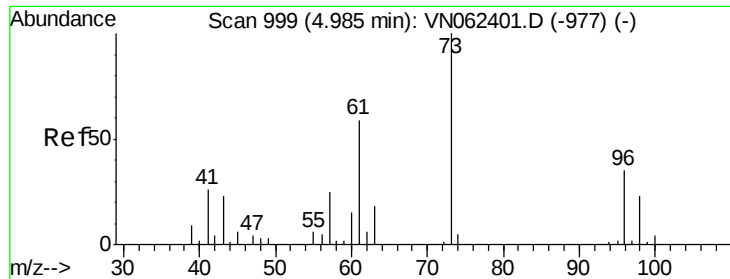
MMDadoda
7/13/2020 11:19:13 AM



#20
Methylene Chloride
Concen: 1.335 ug/l
RT: 4.51 min Scan# 850
Delta R.T. 0.01 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 84 Resp: 3650
Ion Ratio Lower Upper
84 100
49 137.7 120.0 180.0
51 40.8 37.0 55.6
86 48.8 51.8 77.6#





#21

trans-1,2-Dichloroethene

Concen: 1.019 ug/l

RT: 4.98 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 96 Resp: 2220

Ion Ratio Lower Upper

96 100

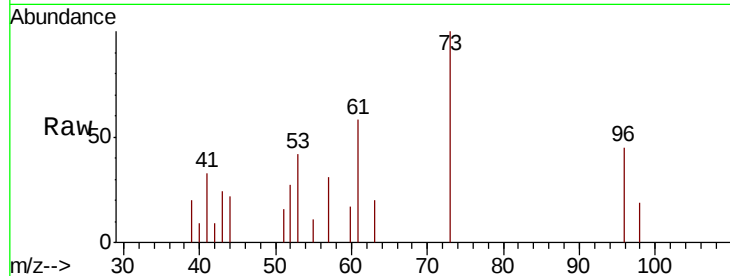
61 107.8 133.5 200.3#

98 42.0 51.9 77.9#

Manual Integrations
APPROVED

MMDadoda

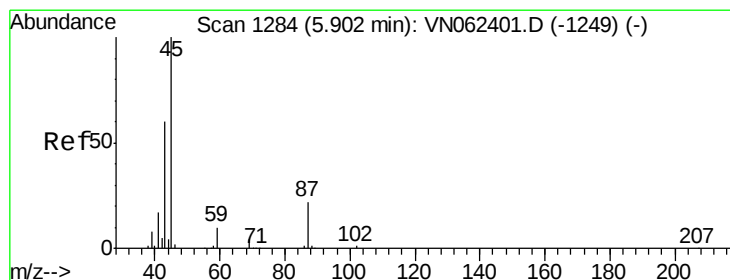
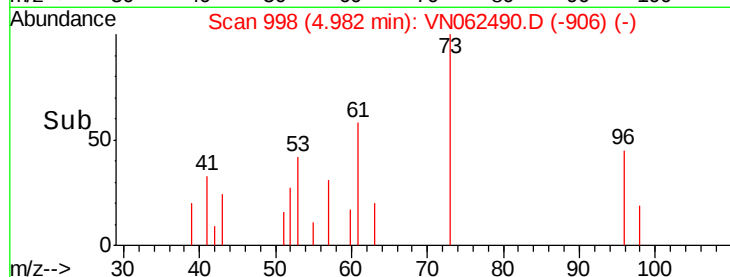
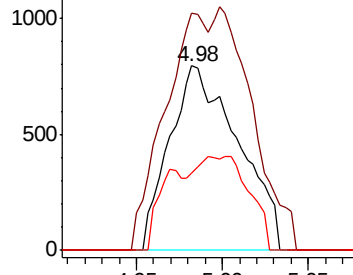
7/13/2020 11:19:13 AM



Abundance Ion 95.90 (95.60 to 96.60): VN062490.D (-906) (-)

Ion 60.90 (60.60 to 61.60): VN062490.D (-906) (-)

Ion 97.90 (97.60 to 98.60): VN062490.D (-906) (-)



#22

Diisopropyl ether

Concen: 0.943 ug/l

RT: 5.91 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion: 45 Resp: 8812

Ion Ratio Lower Upper

45 100

43 87.4 50.1 75.1#

87 30.1 18.2 27.4#

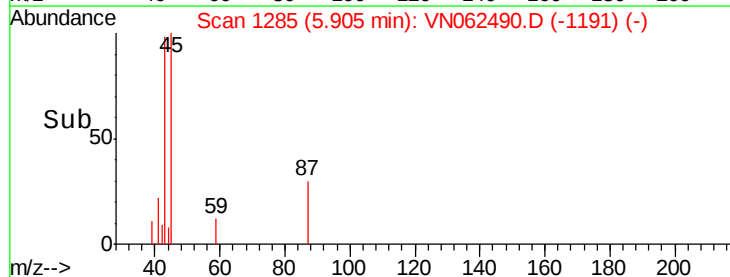
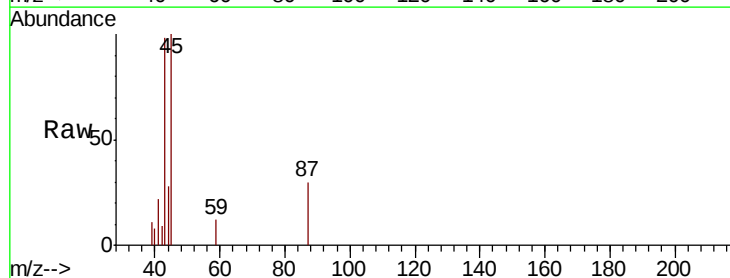
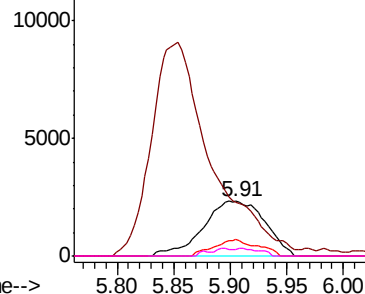
59 11.5 8.2 12.2

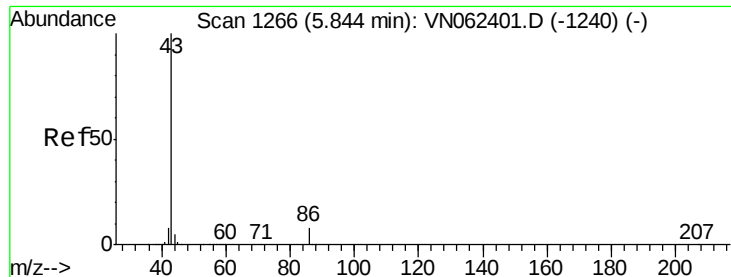
Abundance Ion 45.00 (44.70 to 45.70): VN062490.D (-1191) (-)

Ion 43.00 (42.70 to 43.70): VN062490.D (-1191) (-)

Ion 87.00 (86.70 to 87.70): VN062490.D (-1191) (-)

Ion 59.00 (58.70 to 59.70): VN062490.D (-1191) (-)





#23

Vinyl Acetate

Concen: 4.337 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 33568

Ion Ratio Lower Upper

43 100

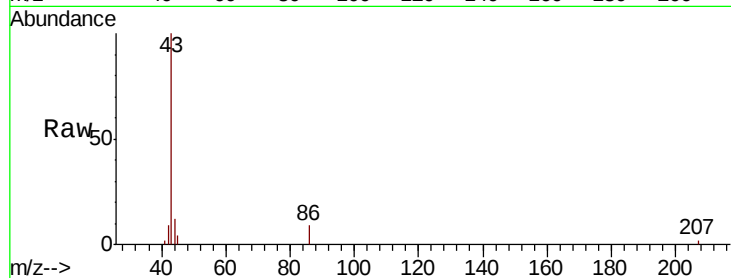
86 8.9 6.7 10.1

Manual Integrations

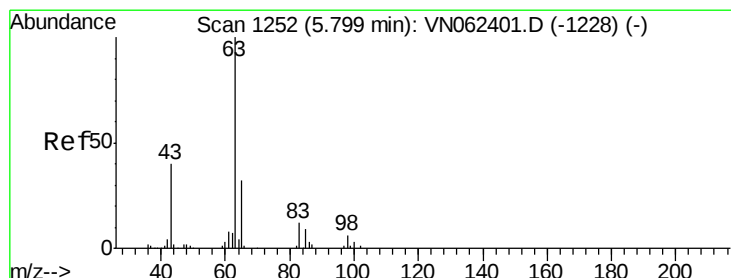
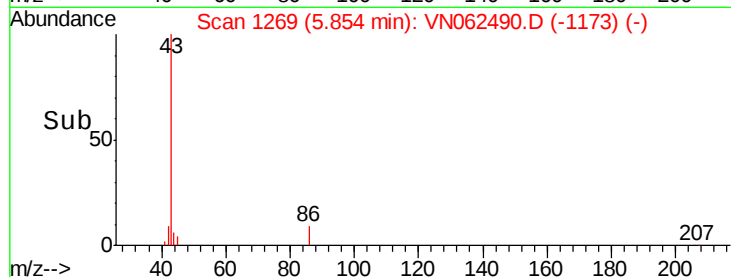
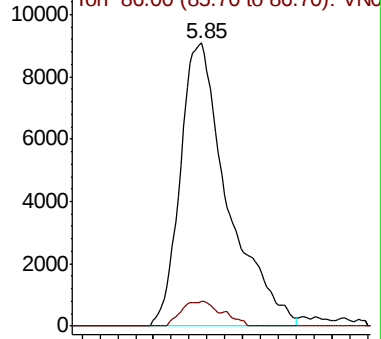
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7/13/2020 11:19:13 AM



Abundance Ion 43.00 (42.70 to 43.70): VN062490.D (-1173) (-)



#24

1,1-Dichloroethane

Concen: 0.990 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

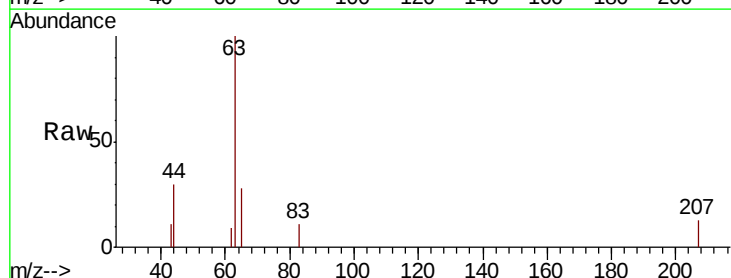
Tgt Ion: 63 Resp: 4778

Ion Ratio Lower Upper

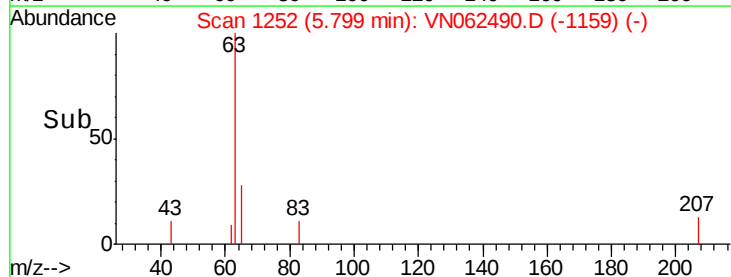
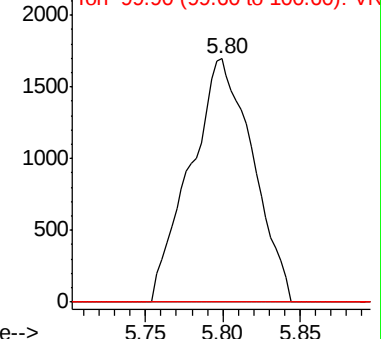
63 100

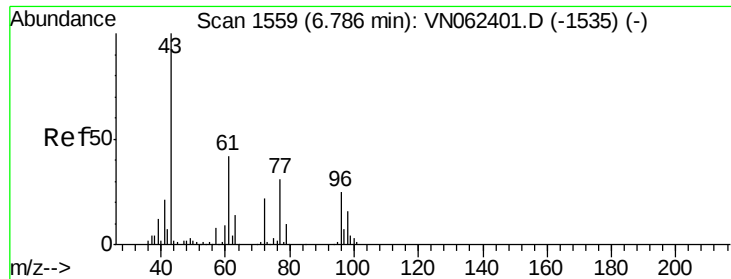
98 0.0 2.9 8.8#

100 0.0 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN062490.D (-1159) (-)





#25

2-Butanone

Concen: 4.546 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 8492

Ion Ratio Lower Upper

43 100

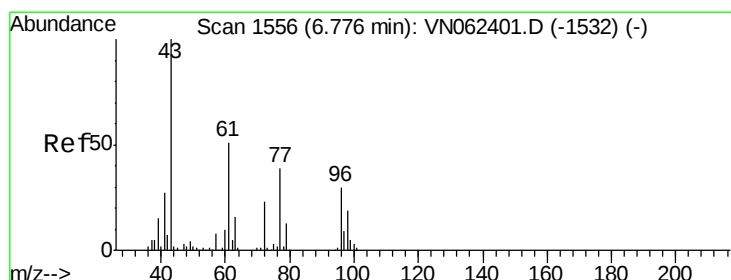
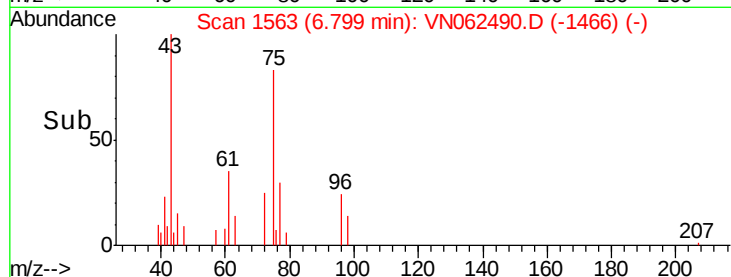
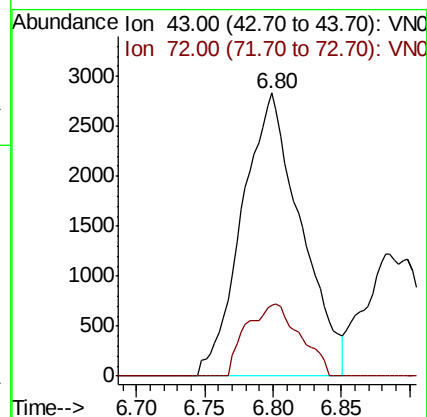
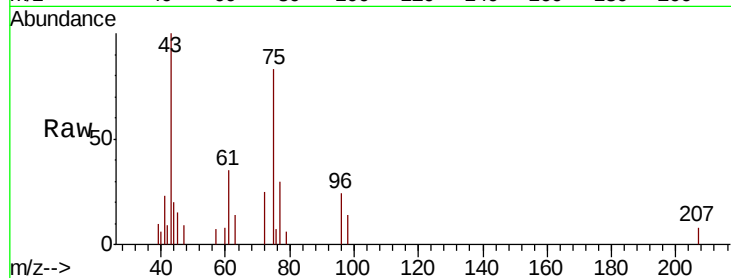
72 25.1 17.9 26.9

Manual Integrations

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7/13/2020 11:19:13 AM



#26

2,2-Dichloropropane

Concen: 1.157 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062490.D

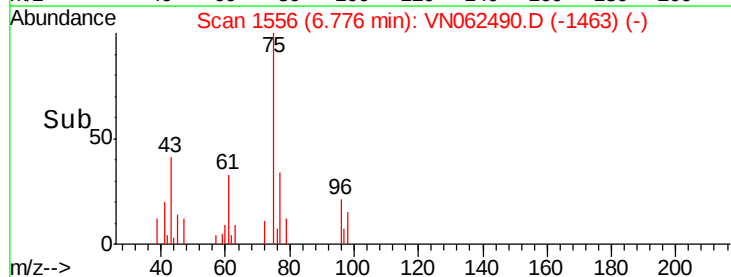
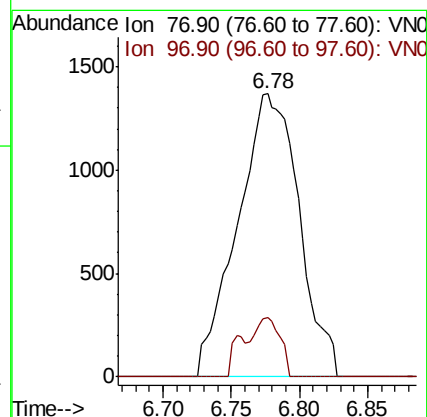
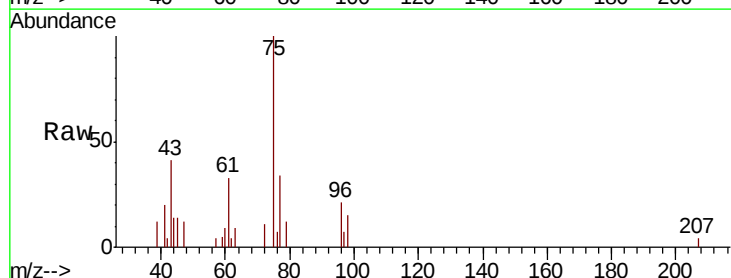
Acq: 10 Jul 2020 13:54

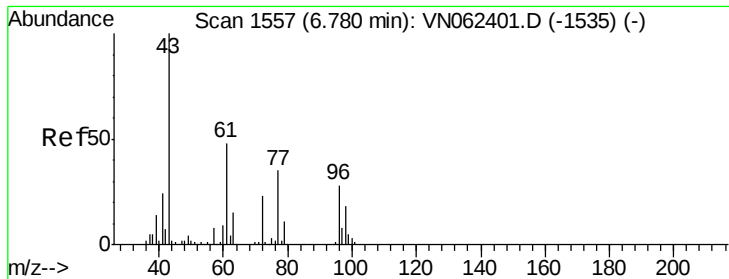
Tgt Ion: 77 Resp: 4283

Ion Ratio Lower Upper

77 100

97 8.4 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 1.042 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

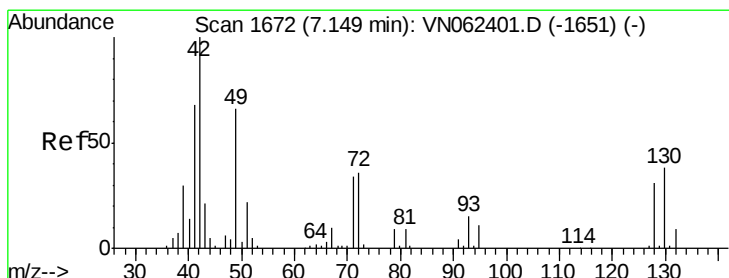
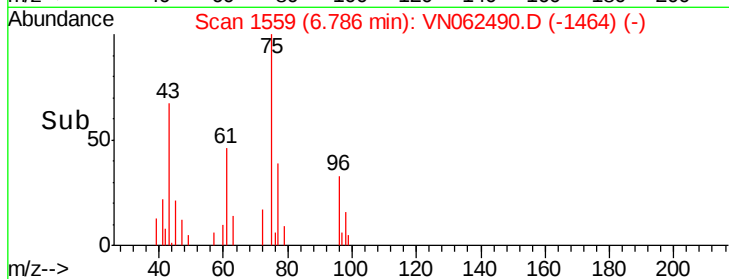
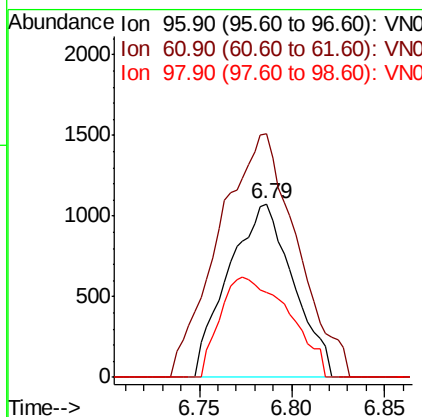
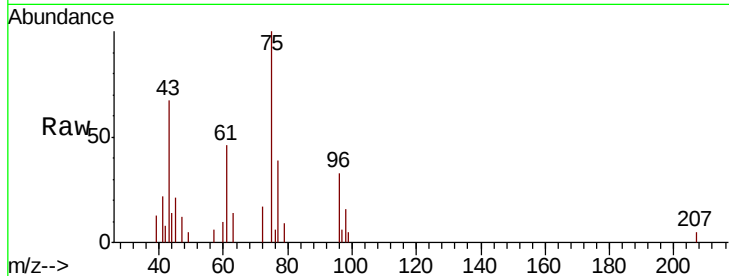
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	96	Resp:	2629
Ion	Ratio	Lower	Upper
96	100		
61	167.6	0.0	343.4
98	61.0	0.0	128.4

Manual Integrations
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#28

Bromochloromethane

Concen: 0.884 ug/l

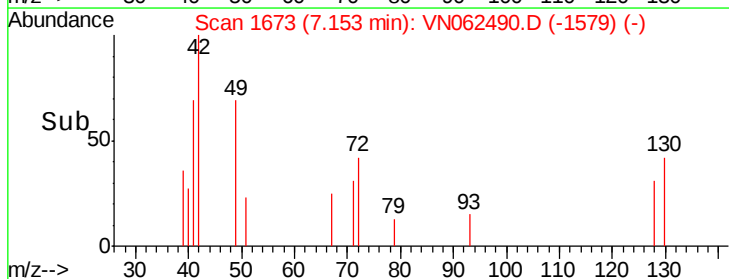
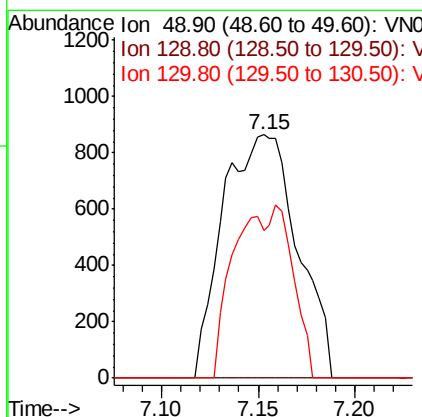
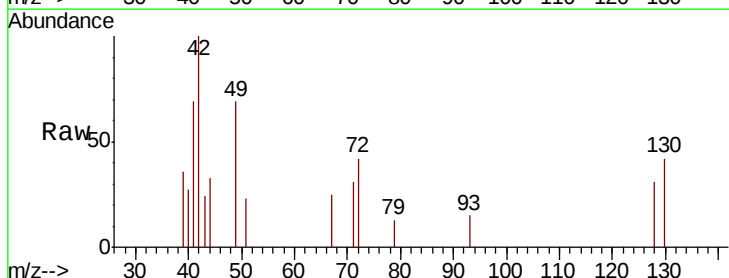
RT: 7.15 min Scan# 1673

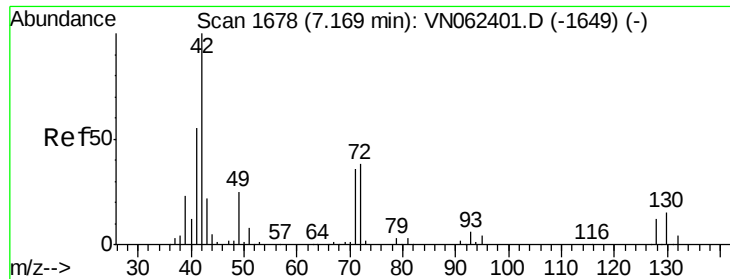
Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion:	49	Resp:	2319
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	31.0	46.5	69.7#





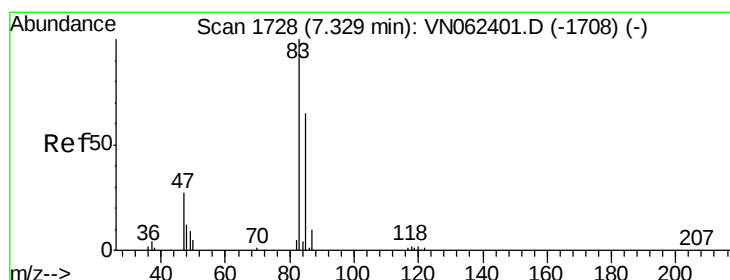
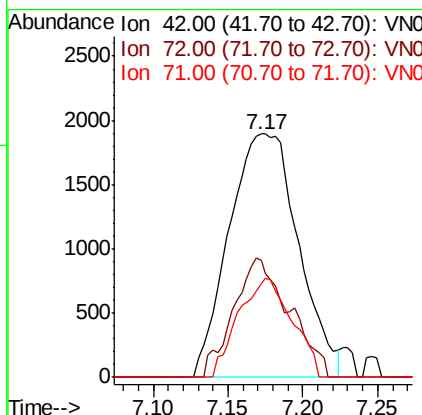
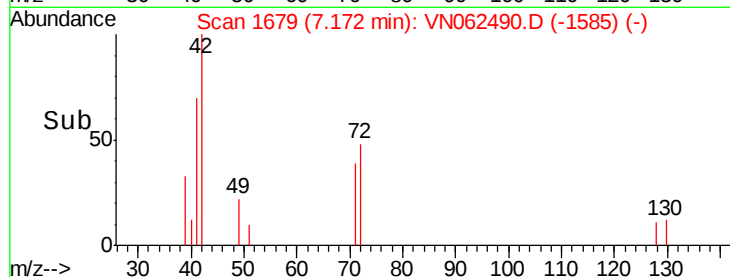
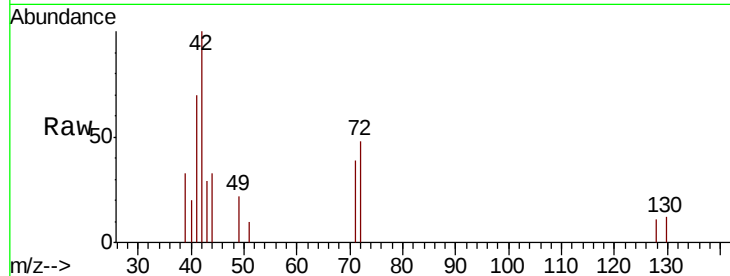
#29
Tetrahydrofuran
Concen: 4.863 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.4	29.1	43.7
71	31.5	28.1	42.1

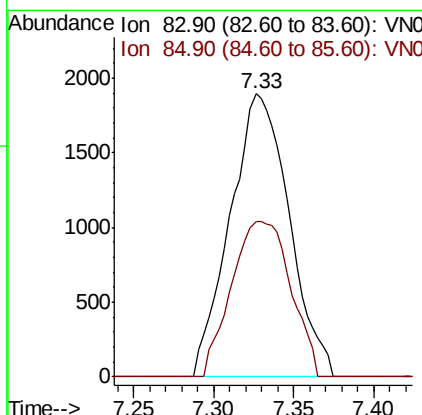
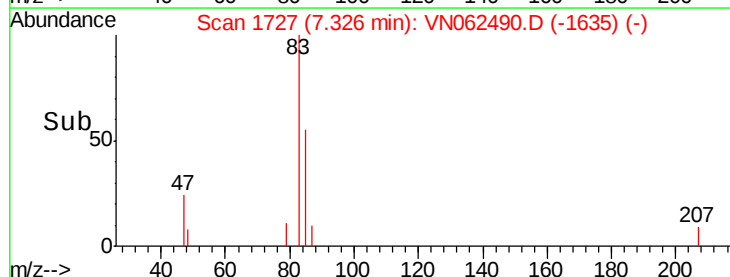
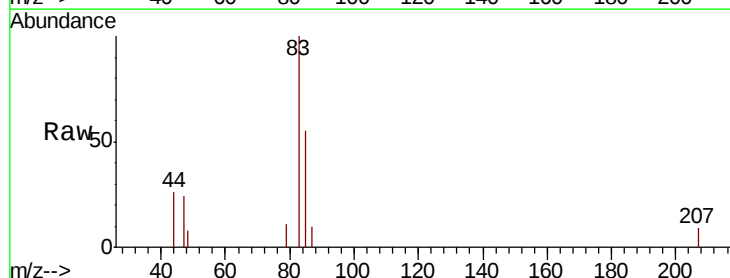
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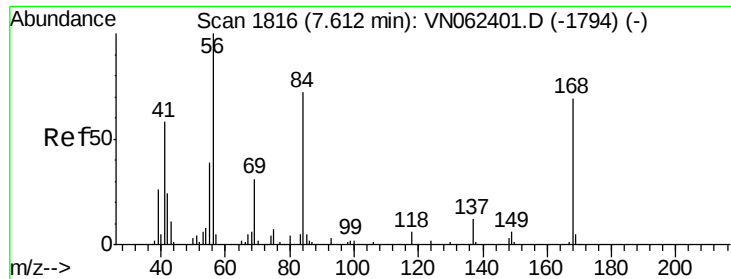
MMDadoda
7/13/2020 11:19:13 AM



#30
Chloroform
Concen: 1.101 ug/l
RT: 7.33 min Scan# 1727
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	55.0	51.8	77.6





#31

Cyclohexane

Concen: 1.902 ug/l

RT: 7.62 min Scan# 1816

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

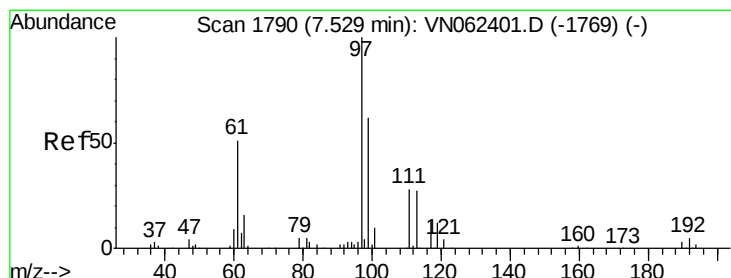
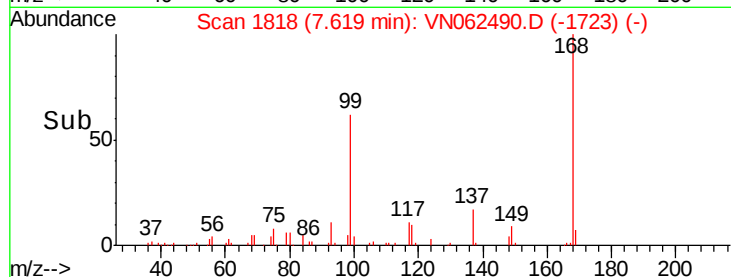
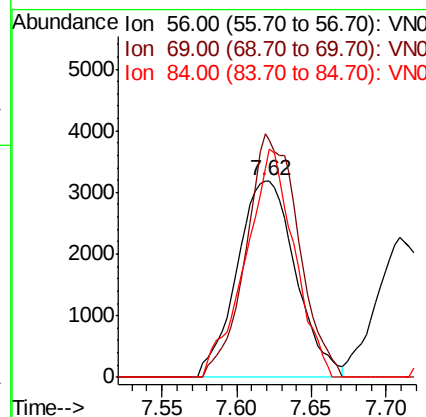
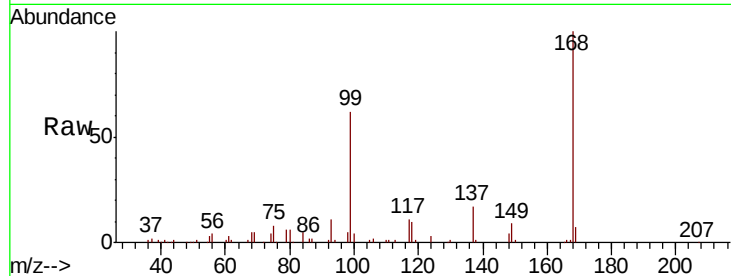
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:	56	Resp:	8703
Ion Ratio	Lower	Upper	
56	100		
69	123.7	24.5	36.7#
84	106.2	57.4	86.2#

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#32

1,1,1-Trichloroethane

Concen: 1.003 ug/l

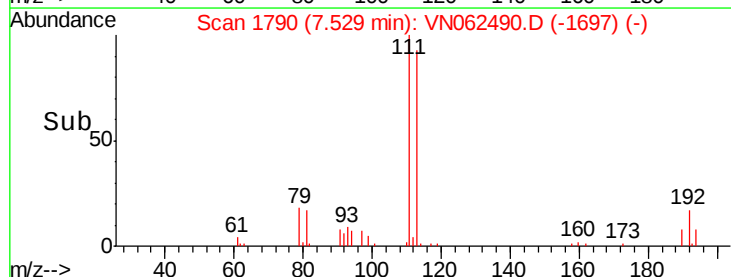
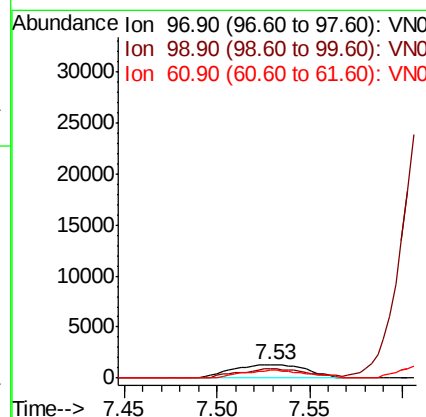
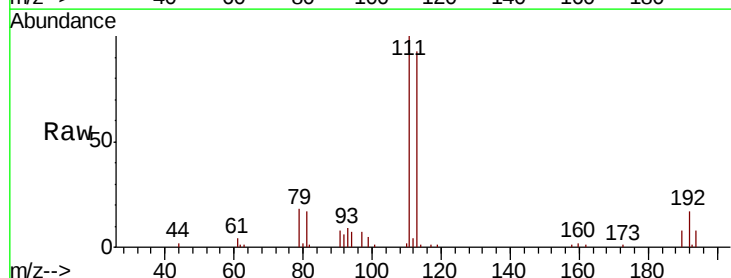
RT: 7.53 min Scan# 1790

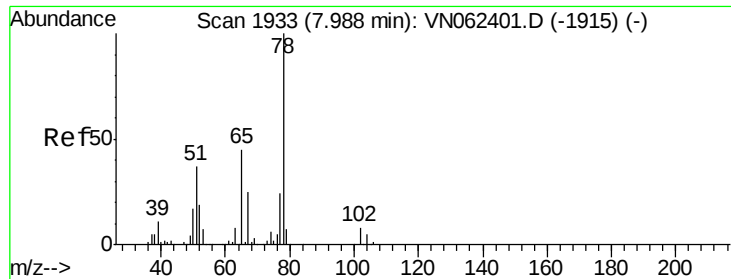
Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion:	97	Resp:	3637
Ion Ratio	Lower	Upper	
97	100		
99	0.0	50.4	75.6#
61	49.7	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 49.435 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 65 Resp: 148949

Ion Ratio Lower Upper

65 100

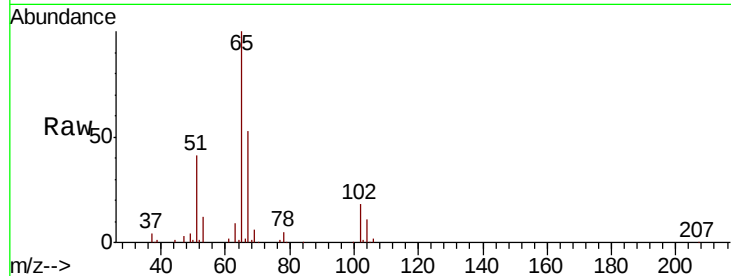
67 53.2 0.0 107.6

Manual Integrations

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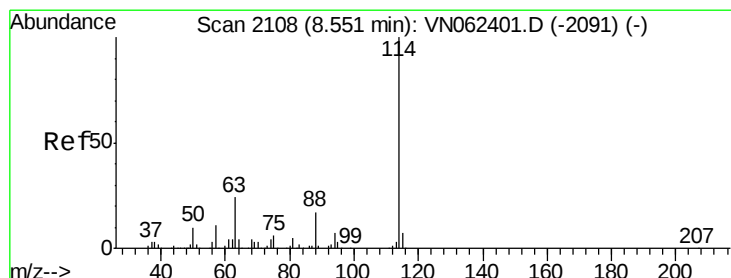
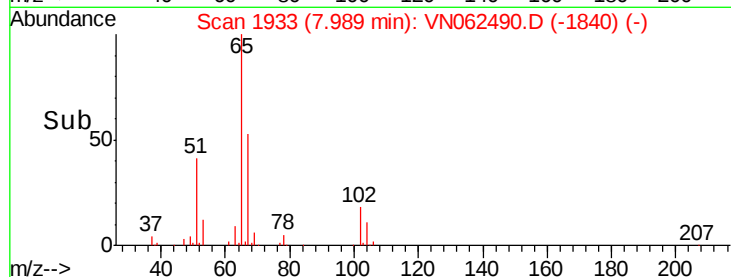
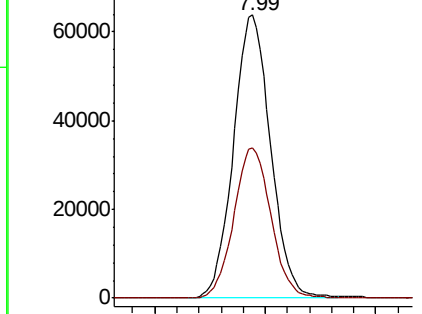
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Abundance Ion 64.90 (64.60 to 65.60): VN062490.D (-1840) (-)

Ion 66.90 (66.60 to 67.60): VN062490.D (-1840) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

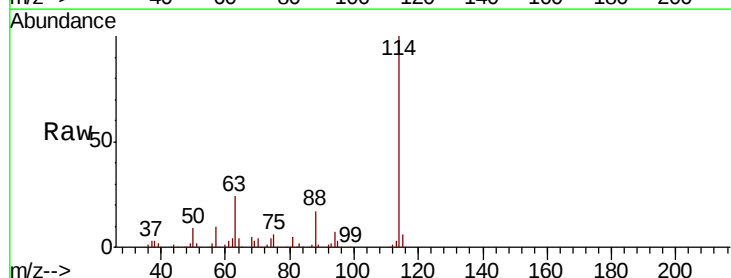
Tgt Ion: 114 Resp: 338949

Ion Ratio Lower Upper

114 100

63 23.8 0.0 48.4

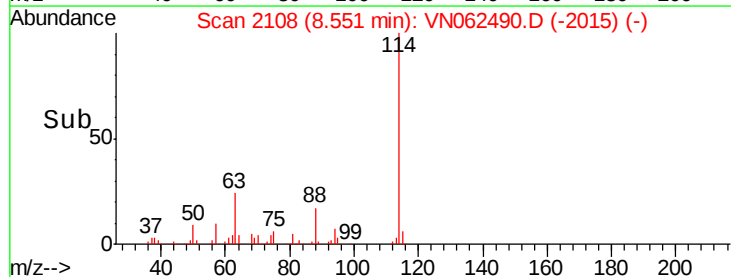
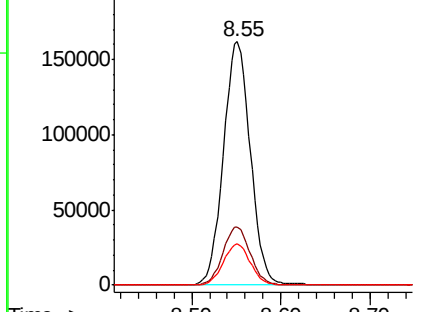
88 16.7 0.0 33.8

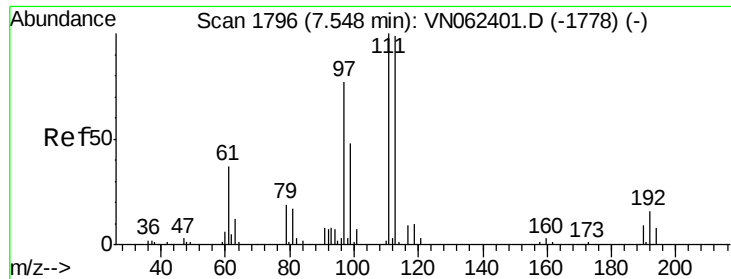


Abundance Ion 113.90 (113.60 to 114.60): VN062490.D (-2155) (-)

Ion 63.00 (62.70 to 63.70): VN062490.D (-2155) (-)

Ion 87.90 (87.60 to 88.60): VN062490.D (-2155) (-)





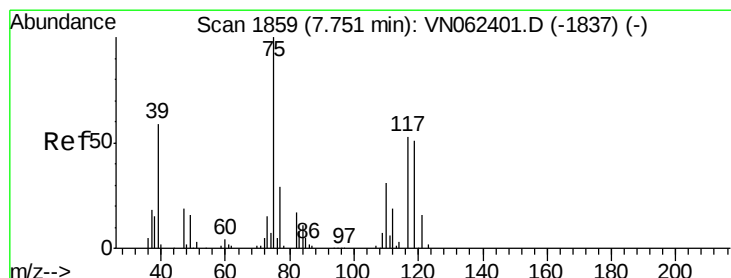
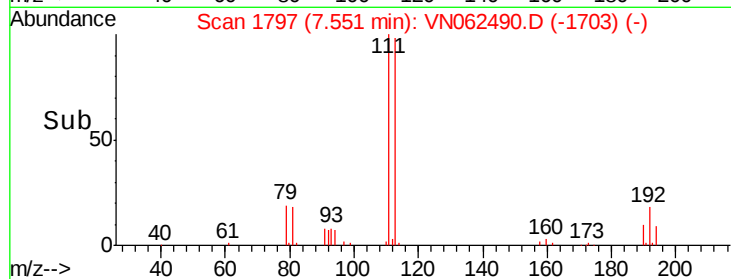
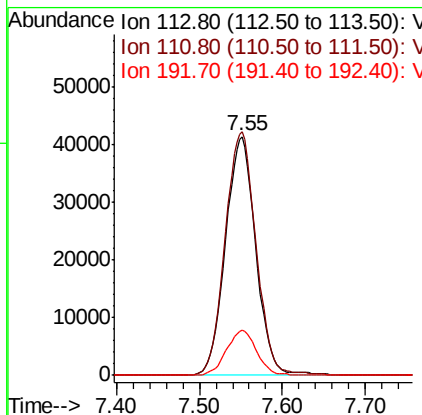
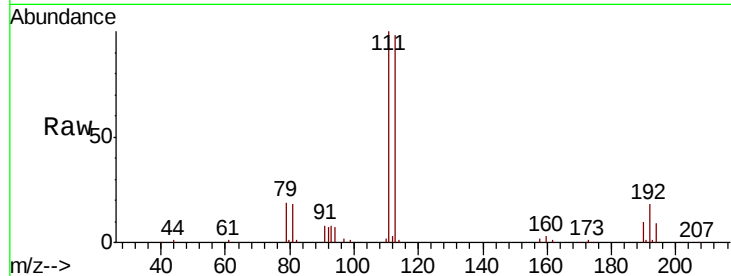
#35
 Dibromofluoromethane
 Concen: 50.094 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	104.0	83.1	124.7	
192	18.7	14.1	21.1	

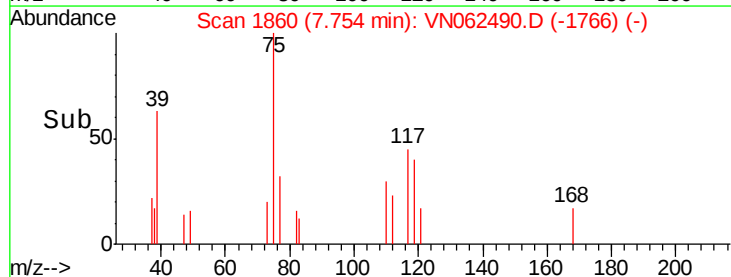
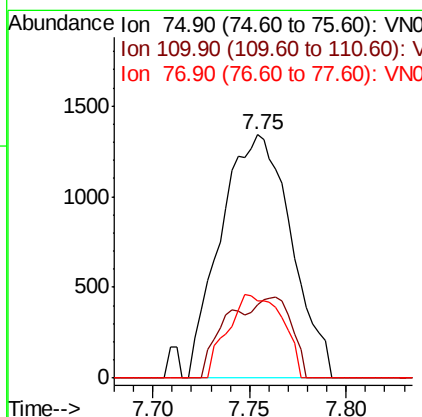
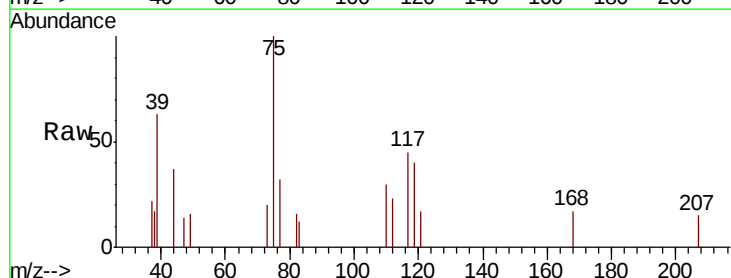
Manual Integrations
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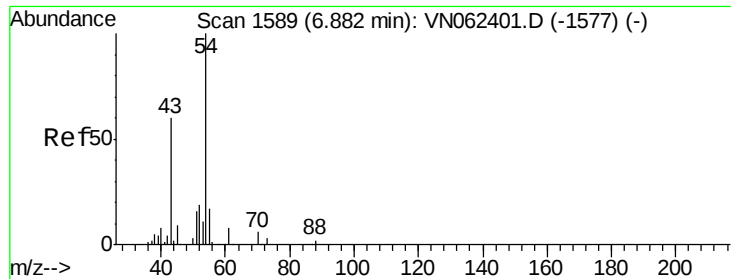
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#36
 1,1-Dichloropropene
 Concen: 0.995 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Resp	Lower	Upper
75	100			
110	11.8	15.4	46.2	
77	26.5	24.1	36.1	





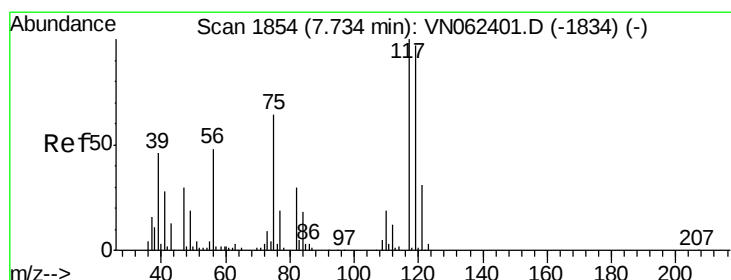
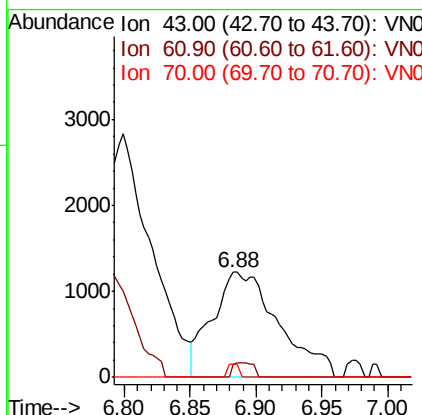
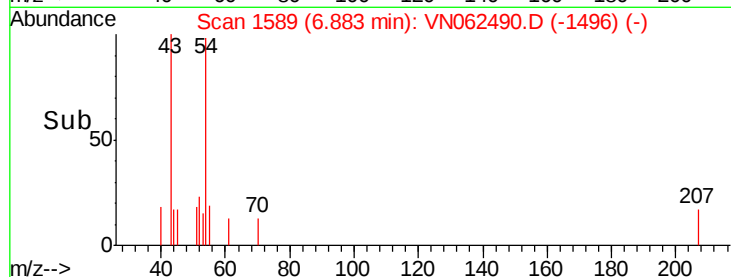
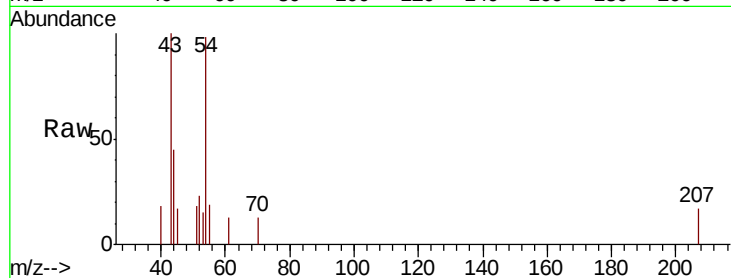
#37
Ethyl Acetate
Concen: 1.079 ug/l m
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	4.4	10.7	16.1#
70	2.0	7.2	10.8#

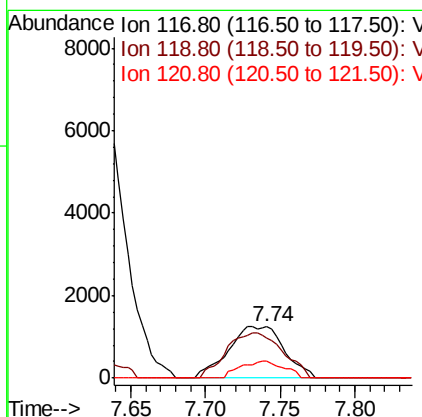
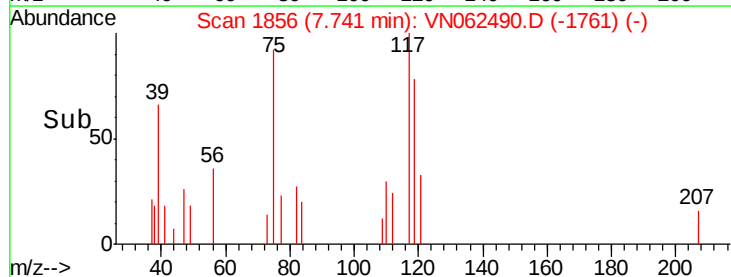
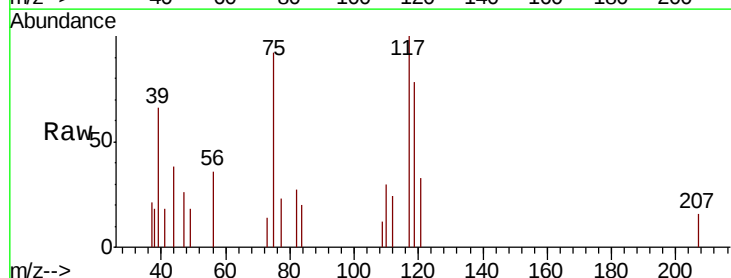
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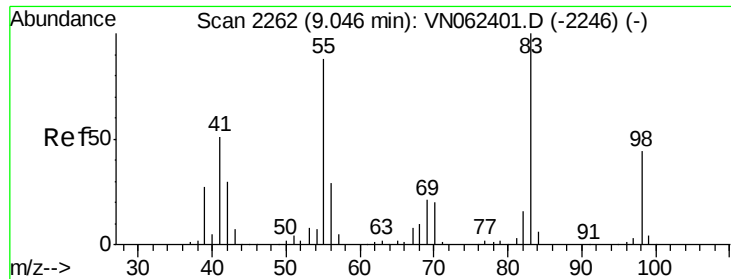
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#38
Carbon Tetrachloride
Concen: 1.058 ug/l m
RT: 7.74 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
117	100		
119	78.5	77.2	115.8
121	33.0	24.8	37.2





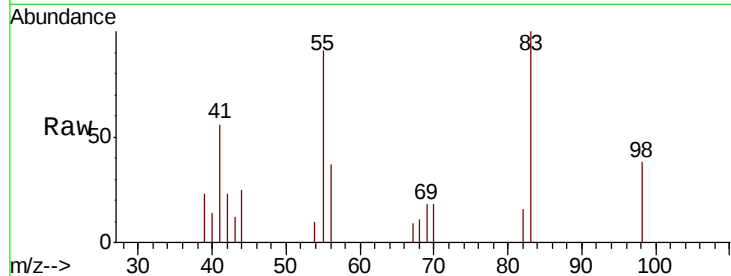
#39
Methvlcvclohexane
Concen: 0.965 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

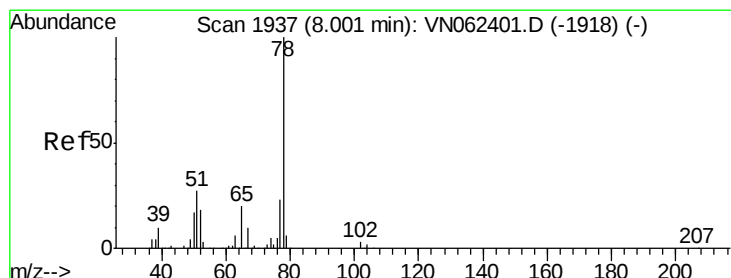
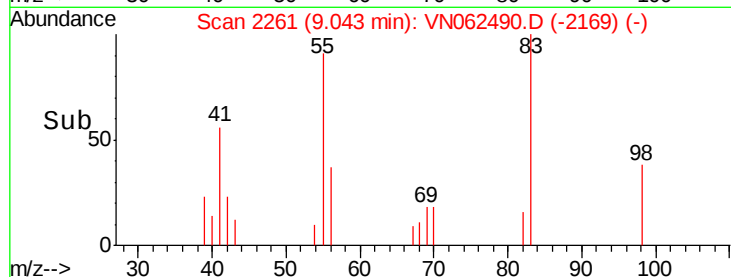
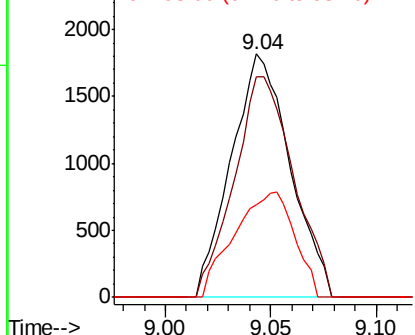
Tot Ion: 83 Resp: 3518
Ion Ratio Lower Upper
83 100
55 90.8 70.5 105.7
98 38.2 35.5 53.3

Manual Integrations
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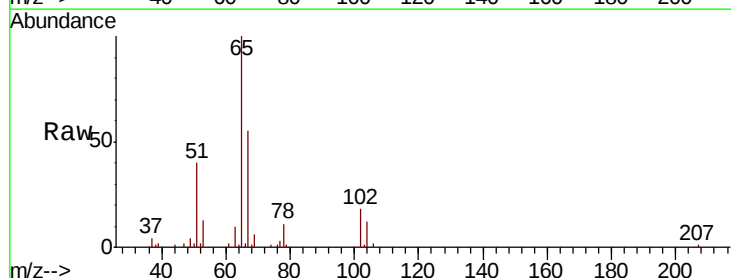


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

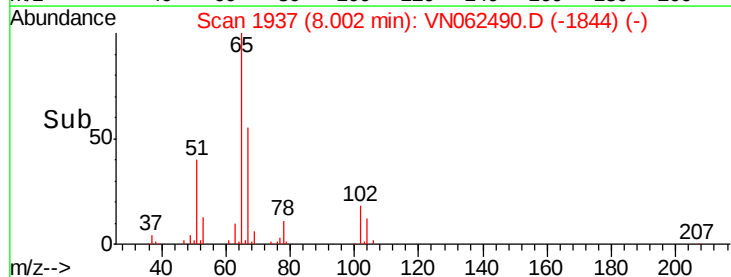
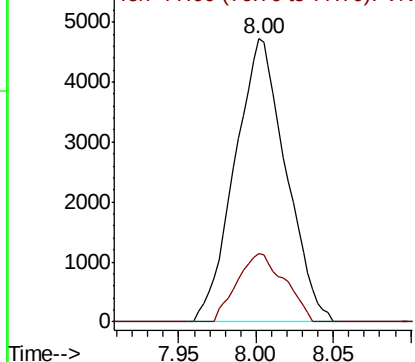


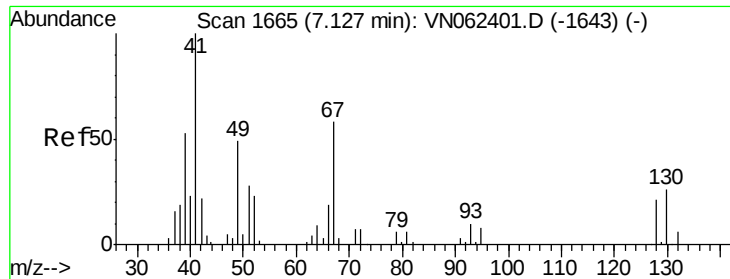
#40
Benzene
Concen: 1.074 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 78 Resp: 10809
Ion Ratio Lower Upper
78 100
77 24.2 18.7 28.1



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





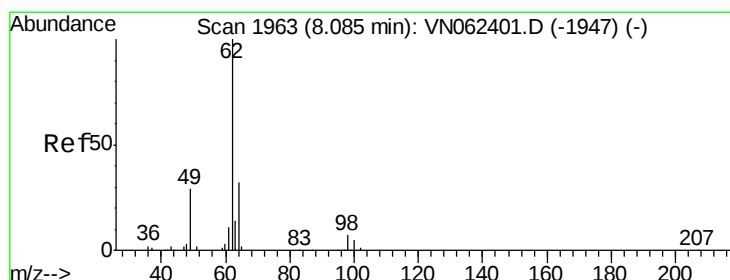
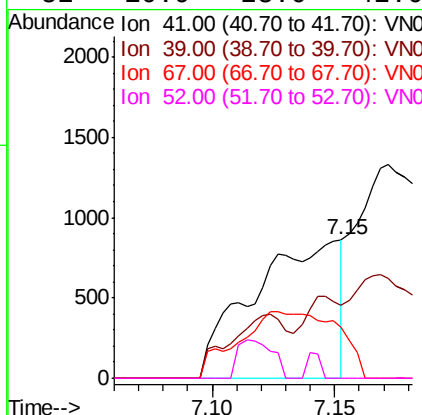
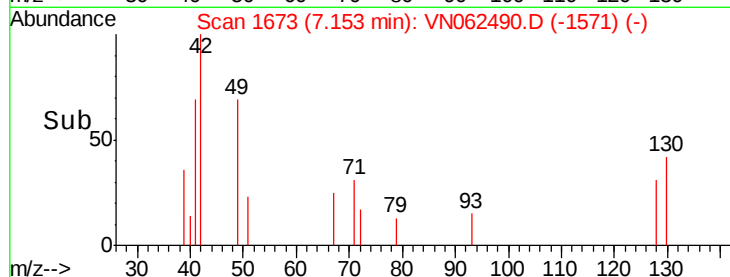
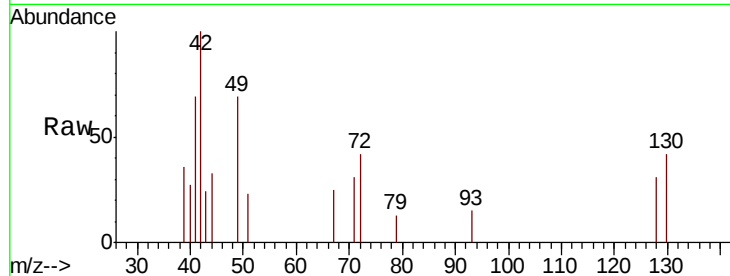
#41
Methacrylonitrile
Concen: 1.286 ug/l m
RT: 7.15 min Scan# 1673
Delta R.T. 0.03 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	31.0	50.2	75.2#	
67	54.2	64.2	96.2#	
52	10.9	28.0	42.0#	

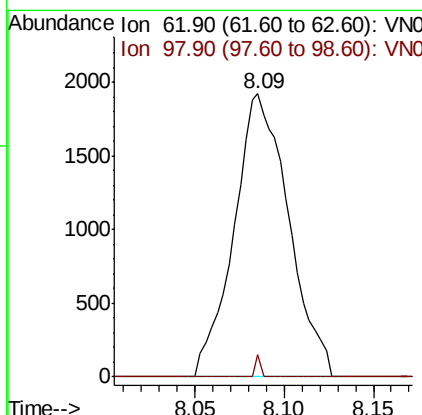
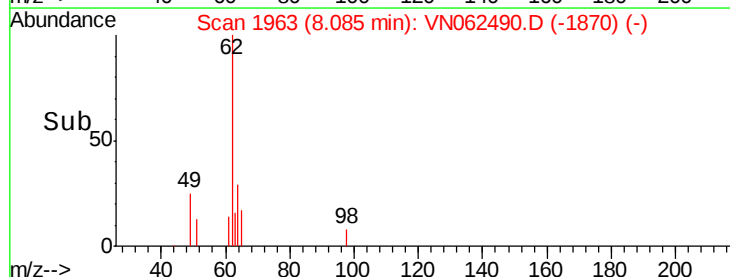
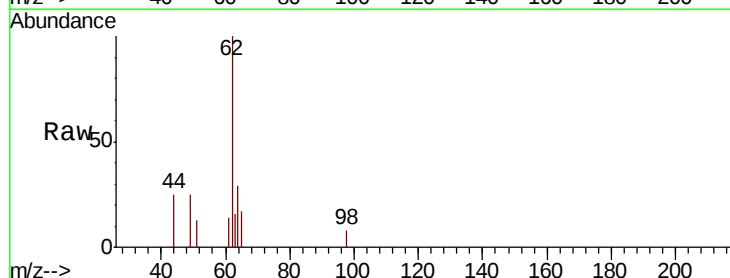
Manual Integrations
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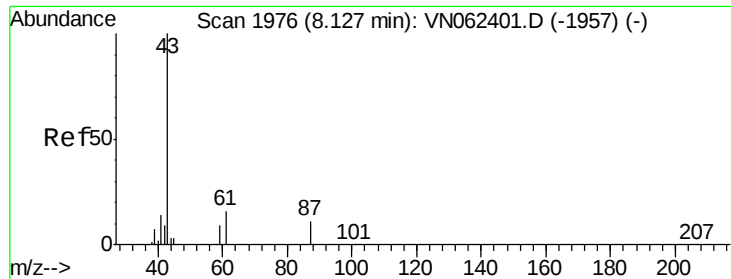
MMDadoda
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#42
1,2-Dichloroethane
Concen: 1.114 ug/l
RT: 8.09 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	0.7	0.0	15.8	





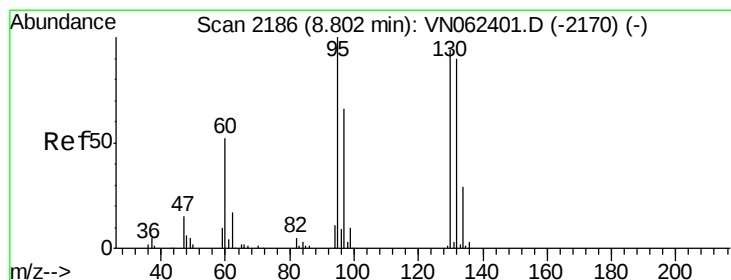
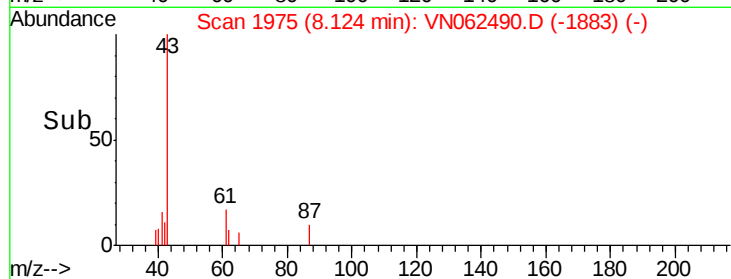
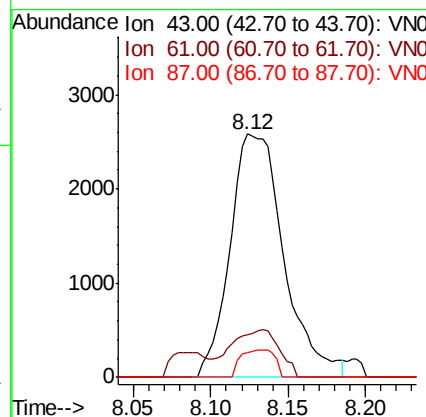
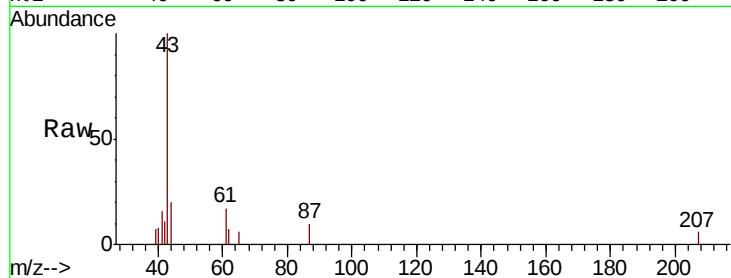
#43
Isopropyl Acetate
Concen: 0.990 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	19.3	28.9#
87	7.1	8.6	13.0#

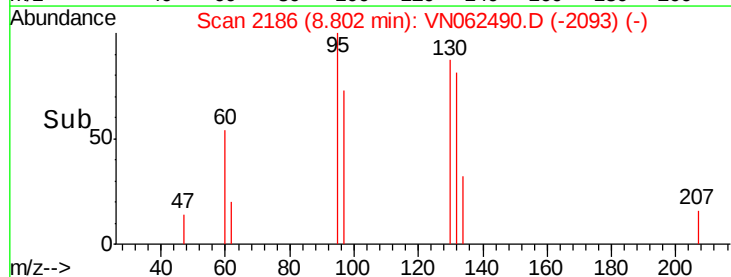
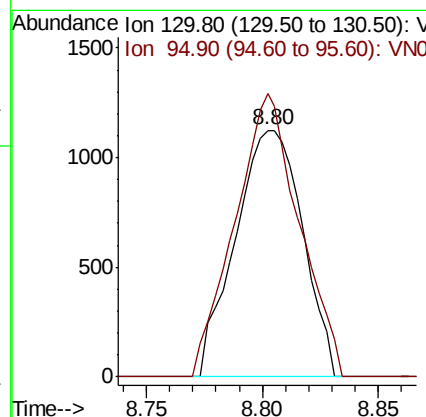
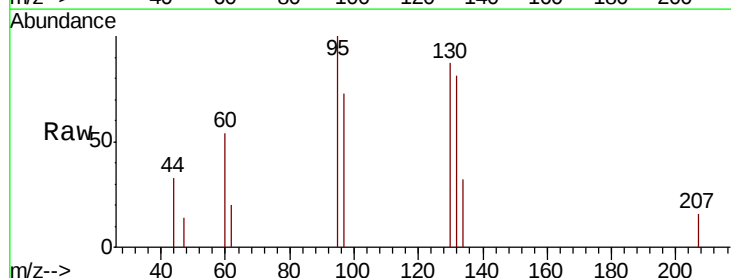
Manual Integrations
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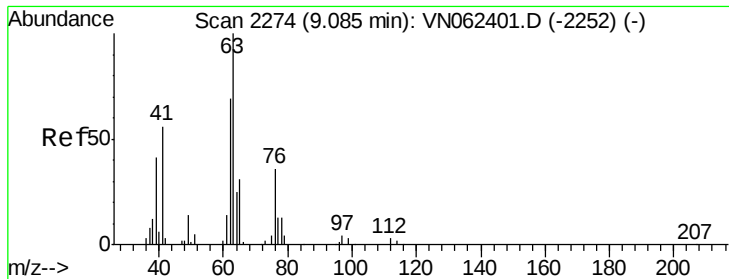
MMDadoda
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#44
Trichloroethene
Concen: 1.012 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.8	0.0	213.8





#45

1,2-Dichloropropane

Concen: 1.025 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 63 Resp: 2996

Ion Ratio Lower Upper

63 100

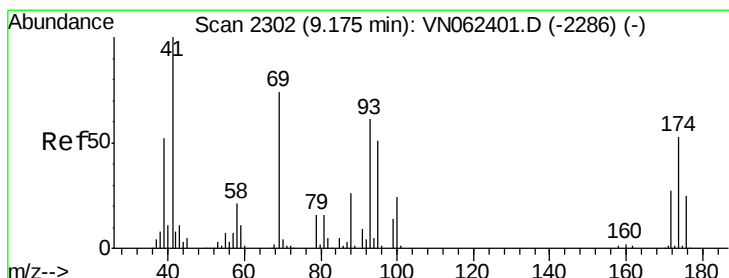
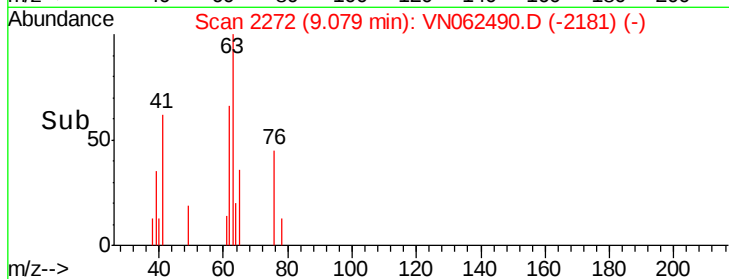
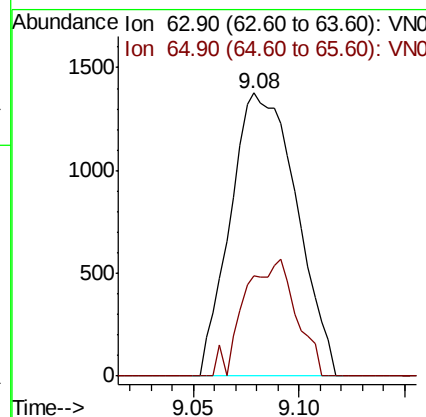
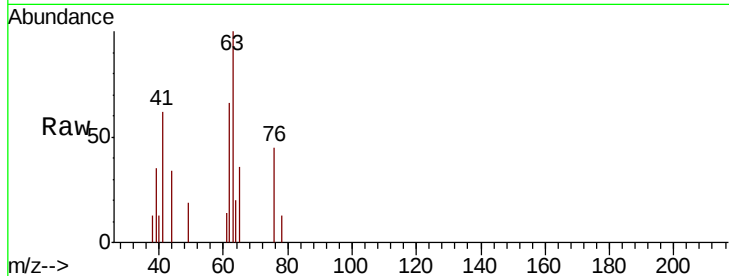
65 35.6 24.6 36.8

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#46

Dibromomethane

Concen: 1.051 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

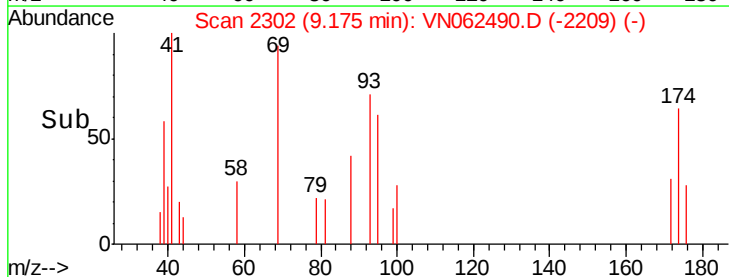
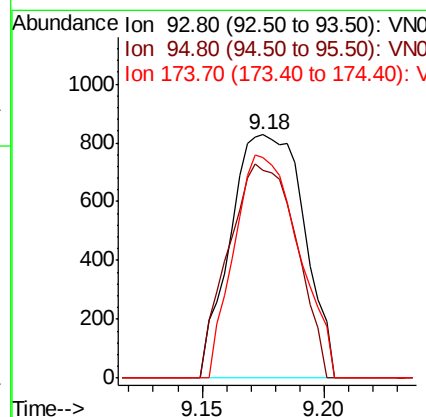
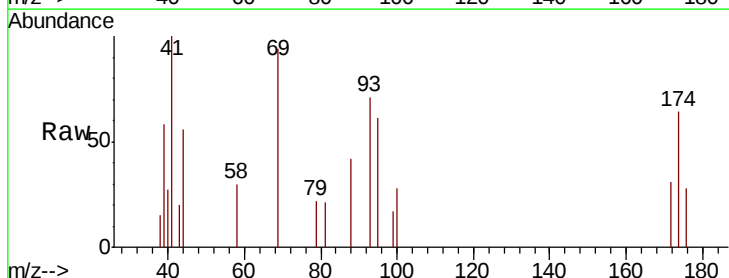
Tgt Ion: 93 Resp: 1733

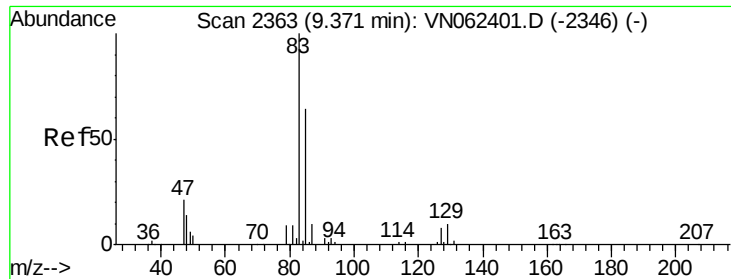
Ion Ratio Lower Upper

93 100

95 81.3 67.1 100.7

174 80.4 70.4 105.6





#47

Bromodichloromethane

Concen: 1.005 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

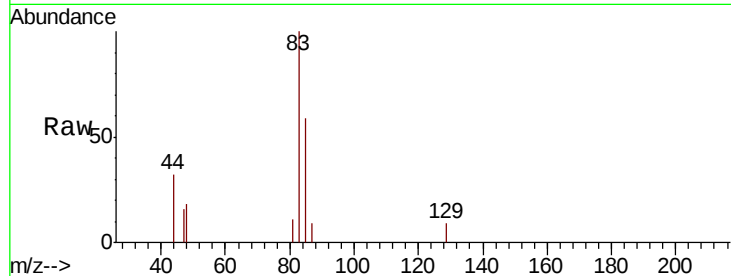
ClientSampleId :

LOQ-WATER-02-QT3-2020

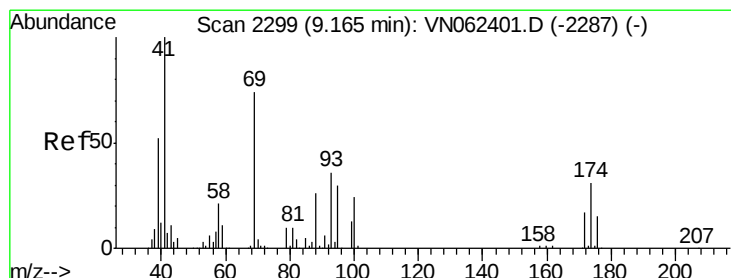
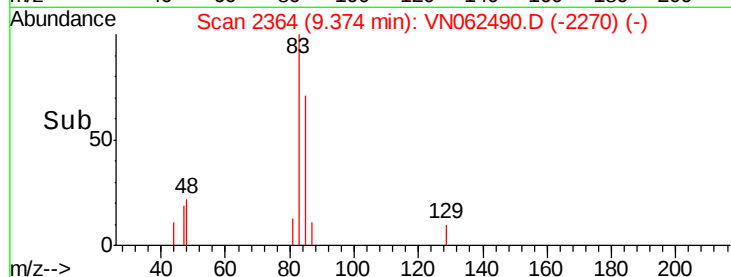
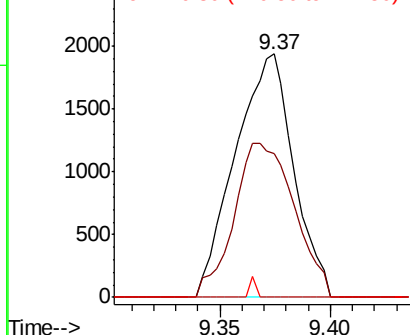
Tot Ion:	83	Resp:	3544
Ion	Ratio	Lower	Upper
83	100		
85	59.0	51.2	76.8
127	0.0	6.2	9.2#

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 0.881 ug/l

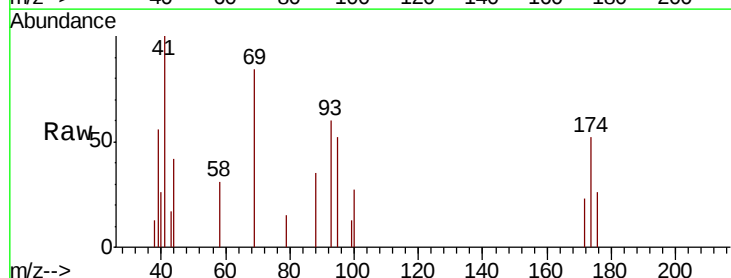
RT: 9.17 min Scan# 2300

Delta R.T. 0.00 min

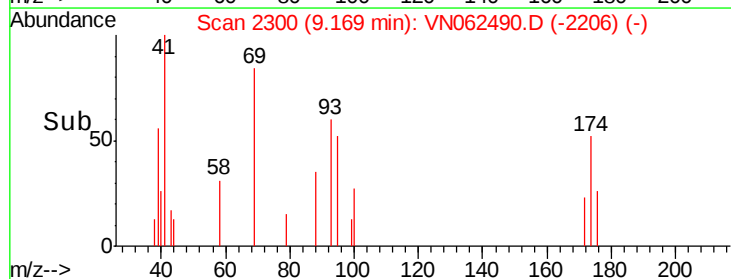
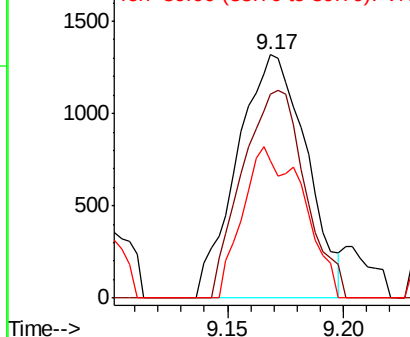
Lab File: VN062490.D

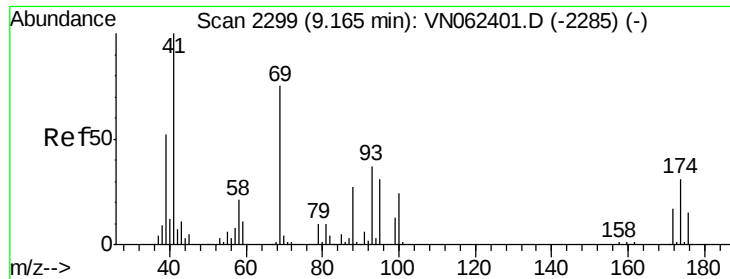
Acq: 10 Jul 2020 13:54

Tgt Ion:	41	Resp:	2725
Ion	Ratio	Lower	Upper
41	100		
69	77.8	60.8	91.2
39	54.4	43.5	65.3



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





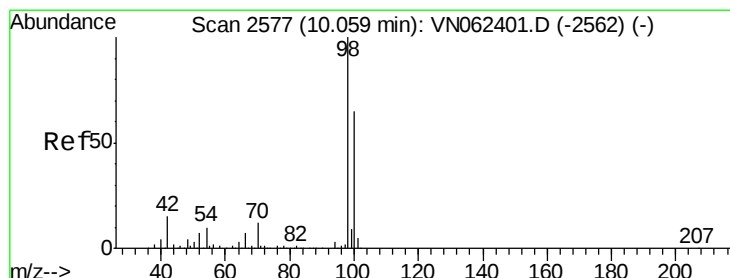
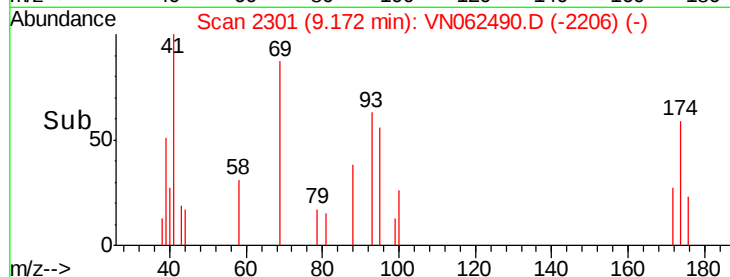
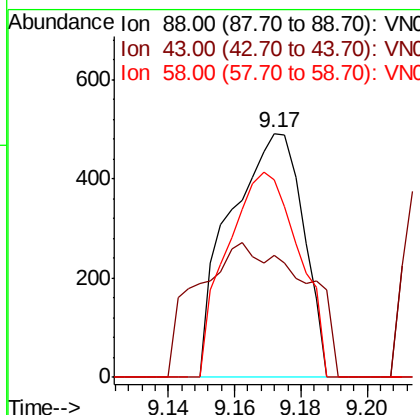
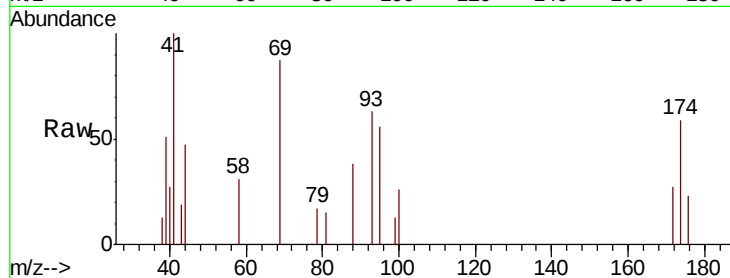
#49
1,4-Dioxane
Concen: 16.720 ug/l
RT: 9.17 min Scan# 2301
Delta R.T. 0.01 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
88	100		
43	81.3	31.0	46.4#
58	82.9	63.3	94.9

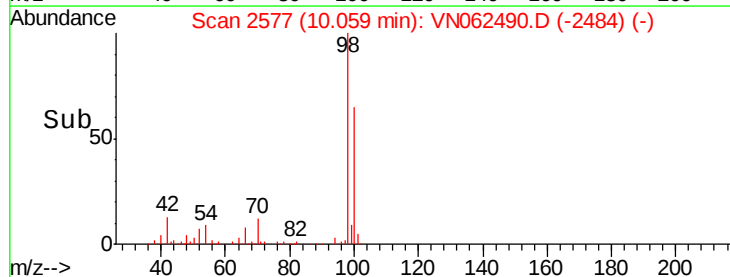
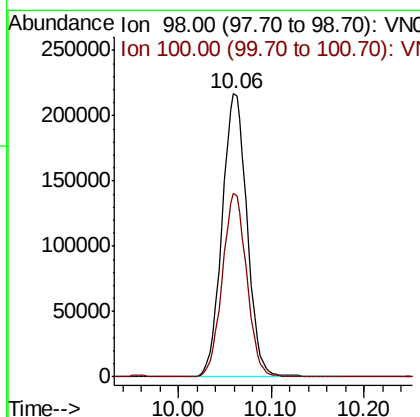
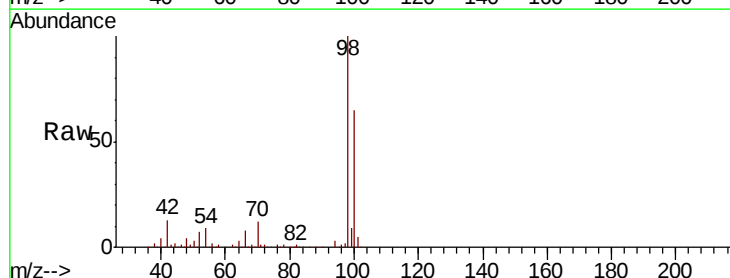
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#50
Toluene-d8
Concen: 48.730 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 4.514 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 17006

Ion Ratio Lower Upper

43 100

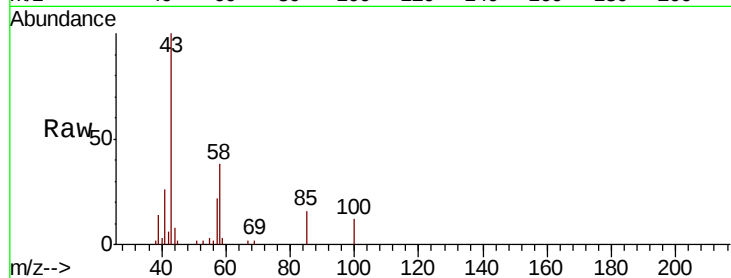
58 34.9 29.0 43.6

Manual Integrations

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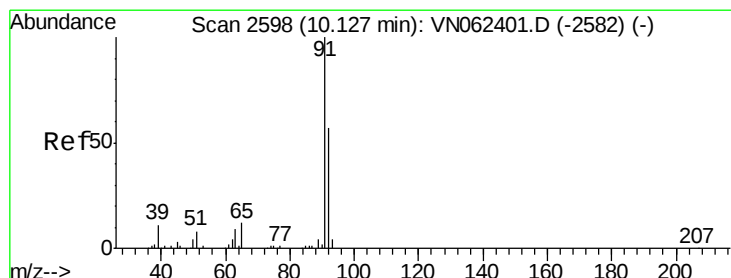
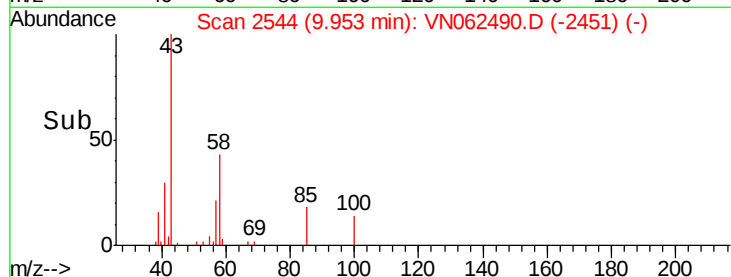
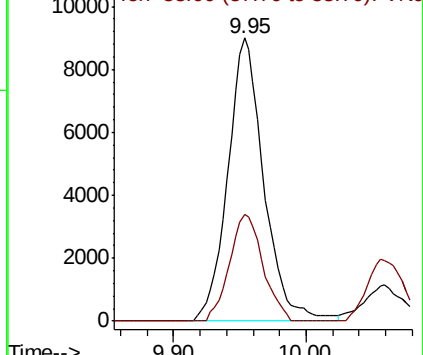
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Abundance Ion 43.00 (42.70 to 43.70): VN062401.D

Ion 58.00 (57.70 to 58.70): VN062401.D



#52

Toluene

Concen: 1.037 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN062490.D

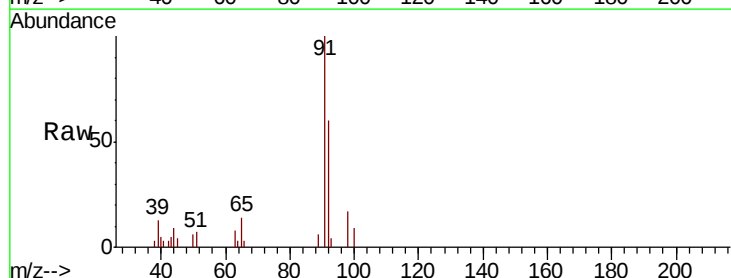
Acq: 10 Jul 2020 13:54

Tgt Ion: 92 Resp: 6028

Ion Ratio Lower Upper

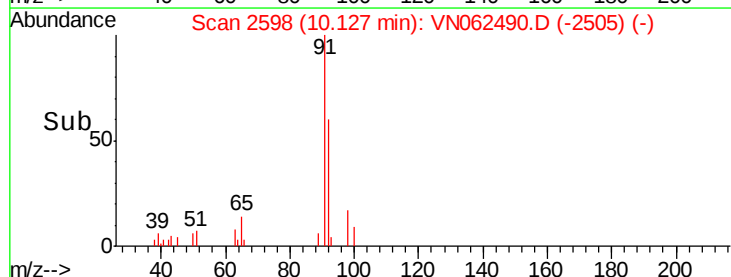
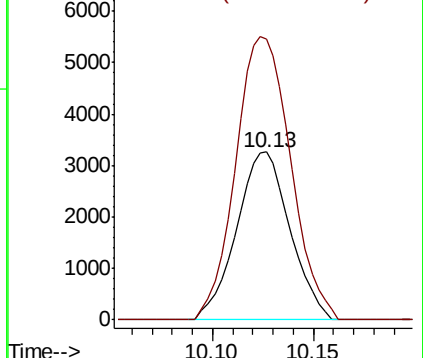
92 100

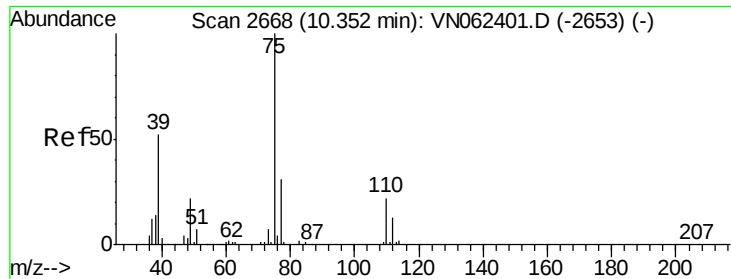
91 174.2 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN062401.D

Ion 91.00 (90.70 to 91.70): VN062401.D





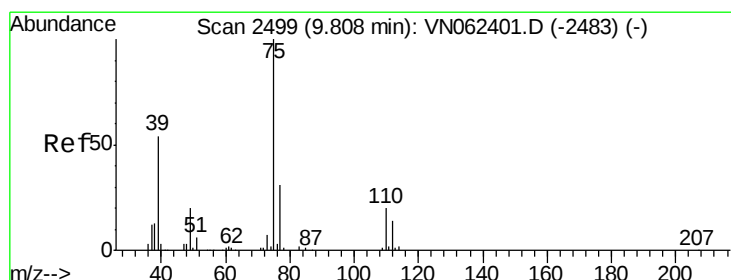
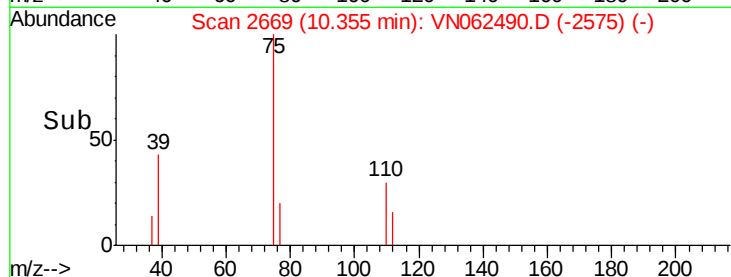
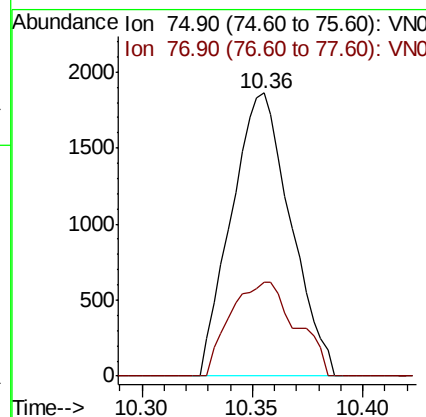
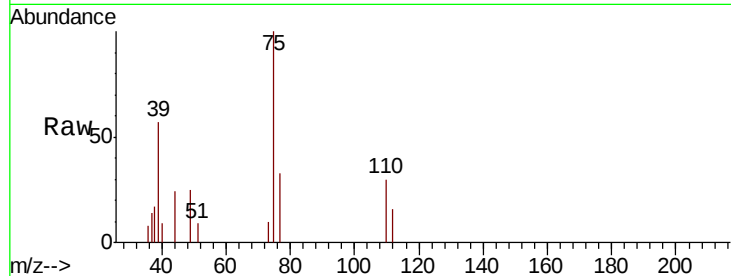
#53
t-1,3-Dichloropropene
Concen: 0.875 ug/l
RT: 10.36 min Scan# 2669
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 75 Resp: 3457
Ion Ratio Lower Upper
75 100
77 33.0 25.2 37.8

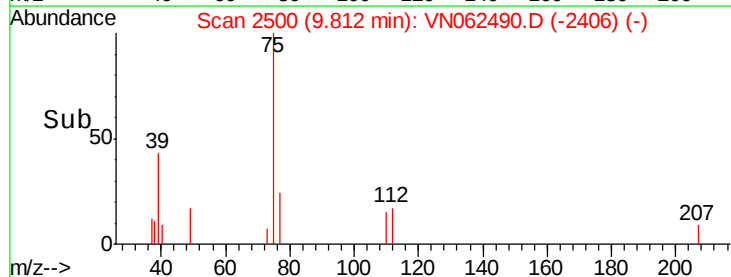
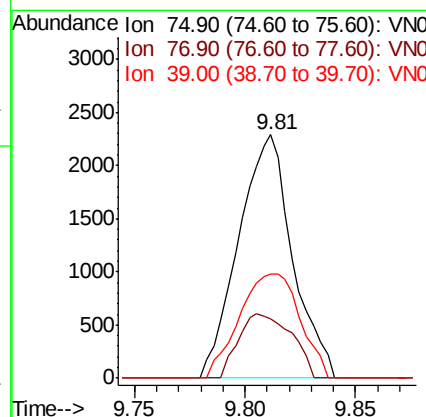
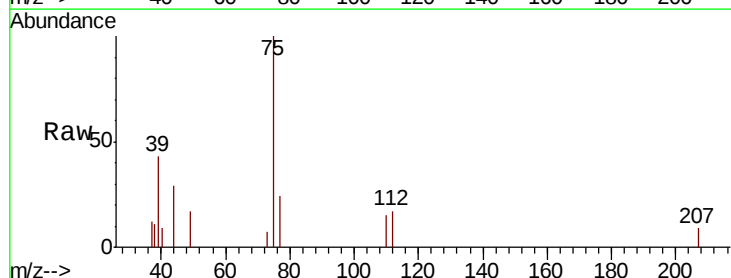
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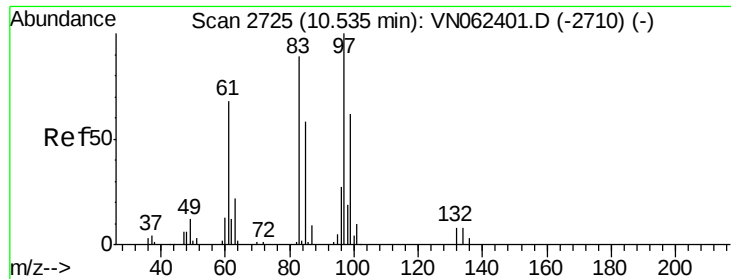
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#54
cis-1,3-Dichloropropene
Concen: 0.890 ug/l
RT: 9.81 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 75 Resp: 3880
Ion Ratio Lower Upper
75 100
77 24.3 24.5 36.7#
39 42.9 43.4 65.0#





#55

1,1,2-Trichloroethane

Concen: 0.964 ug/l

RT: 10.54 min Scan# 2725

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 97 Resp: 2205

Ion Ratio Lower Upper

97 100

83 87.5 71.0 106.4

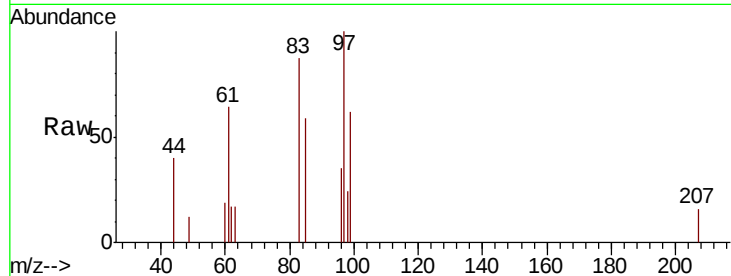
85 59.1 46.2 69.4

99 62.2 49.7 74.5

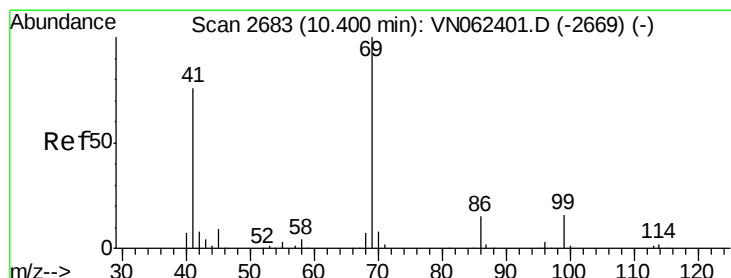
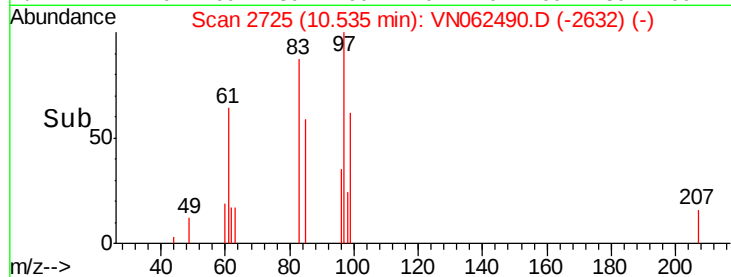
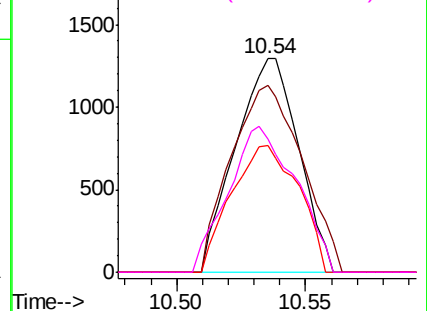
Manual Integrations
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Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 0.858 ug/l

RT: 10.40 min Scan# 2684

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

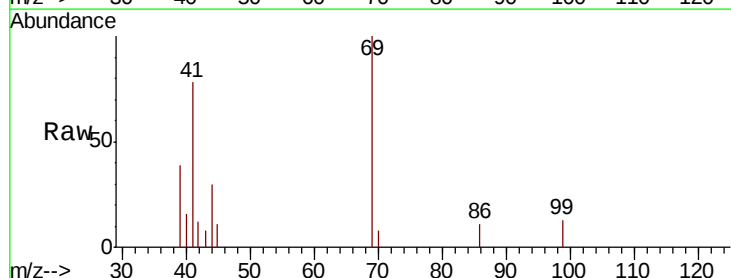
Tgt Ion: 69 Resp: 3279

Ion Ratio Lower Upper

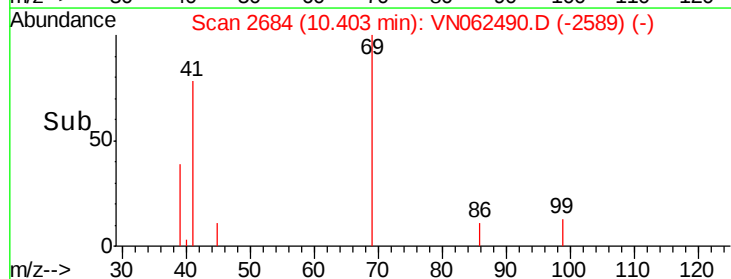
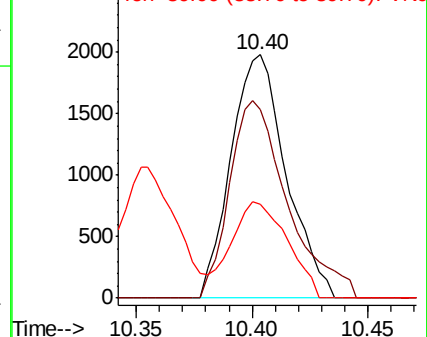
69 100

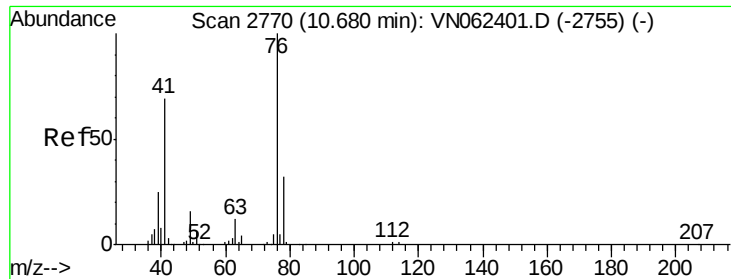
41 85.4 59.7 89.5

39 40.1 30.6 45.8



Abundance Ion 69.00 (68.70 to 69.70): VNO
Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO





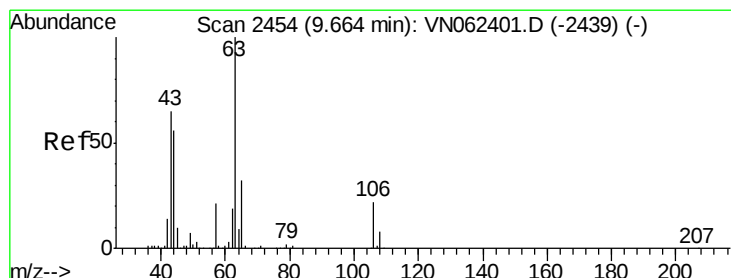
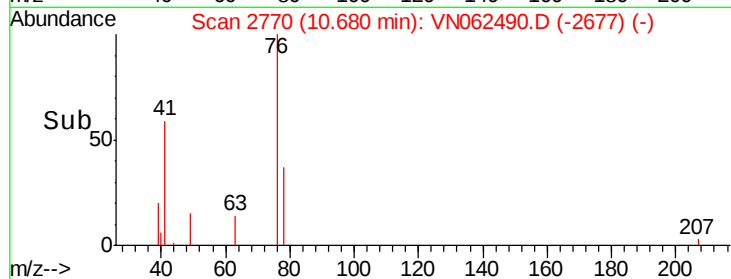
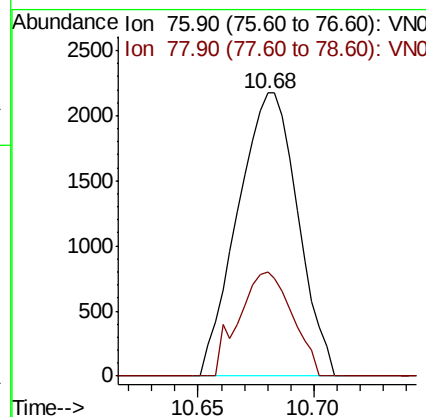
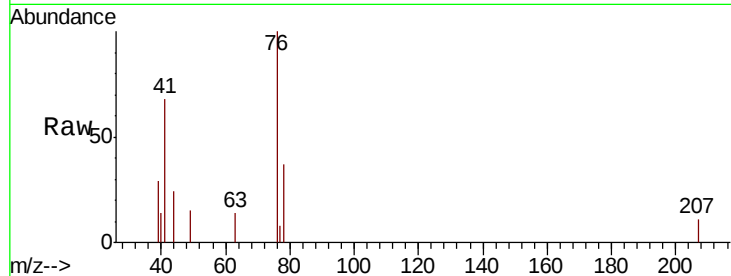
#57
 1,3-Dichloropropane
 Concen: 0.927 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
76	100		
78	33.0	25.6	38.4

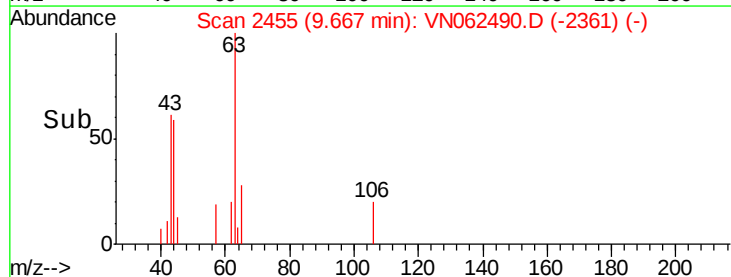
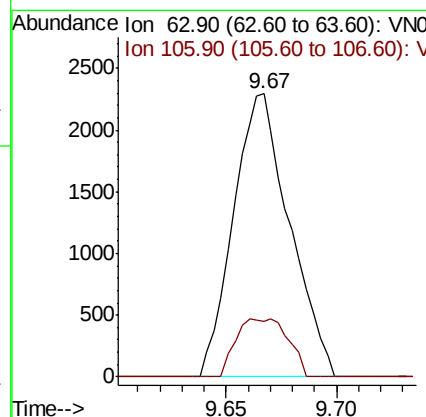
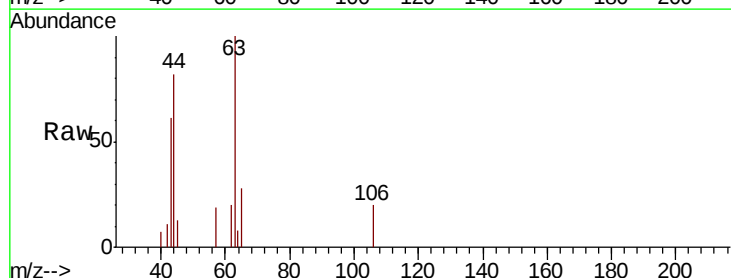
Manual Integrations
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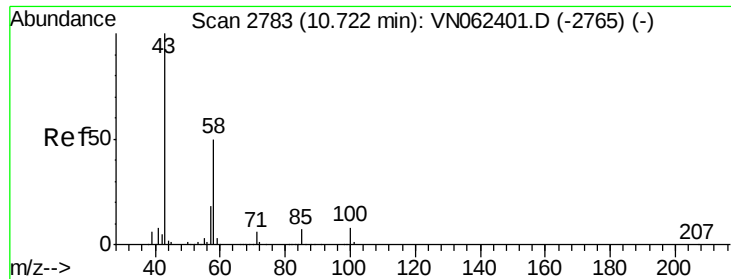
MMDadoda
 7/13/2020 11:19:13 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.981 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
63	100		
106	19.1	17.6	26.4





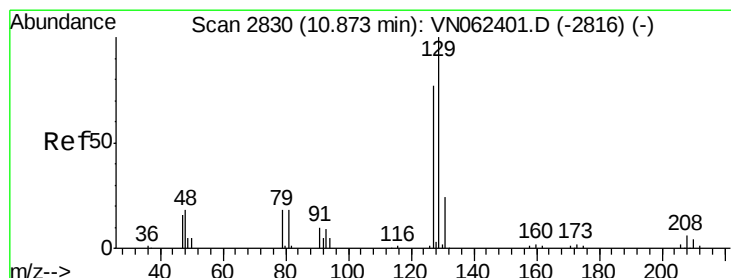
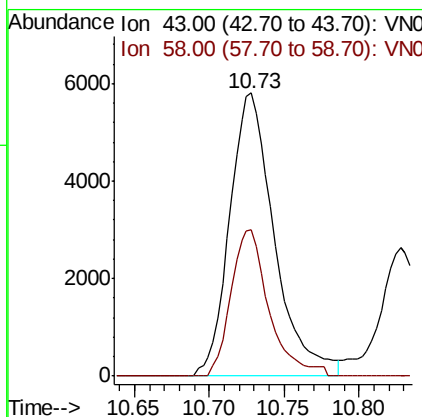
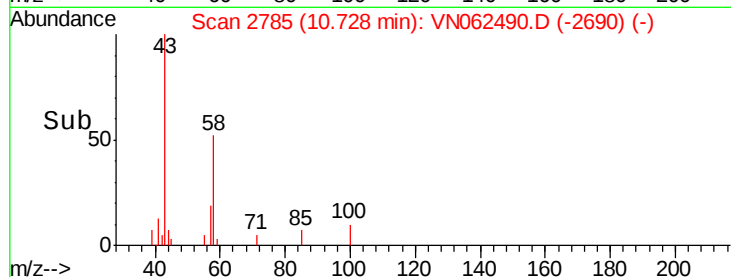
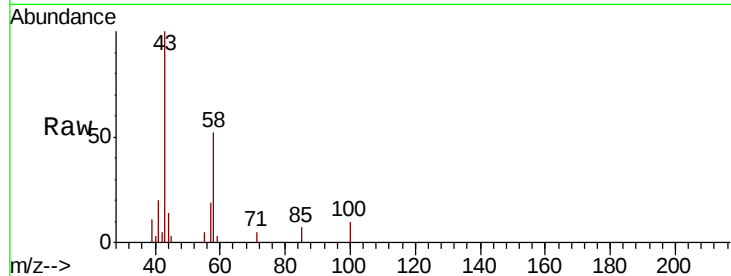
#59
2-Hexanone
Concen: 4.421 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 43 Resp: 12092
Ion Ratio Lower Upper
43 100
58 43.8 25.1 75.2

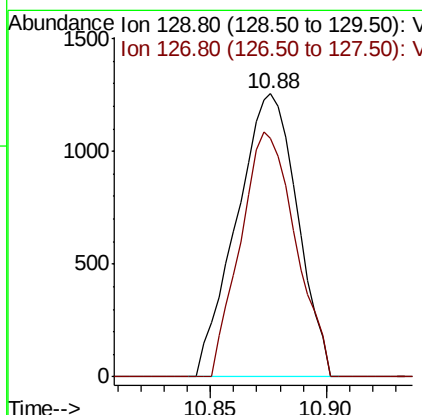
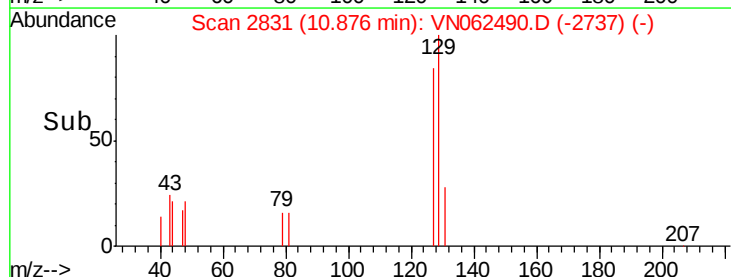
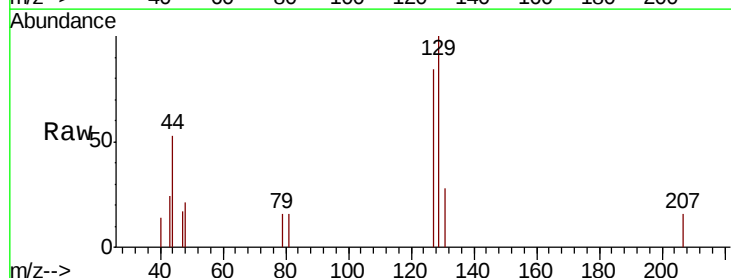
Manual Integrations
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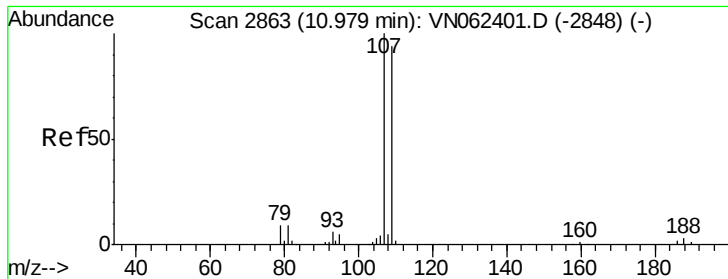
MMDadoda
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#60
Dibromochloromethane
Concen: 0.923 ug/l
RT: 10.88 min Scan# 2831
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 129 Resp: 2288
Ion Ratio Lower Upper
129 100
127 78.5 38.6 115.8





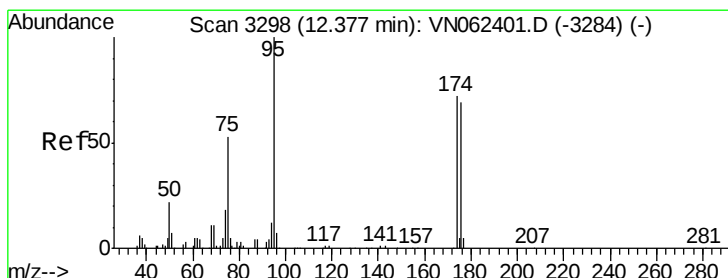
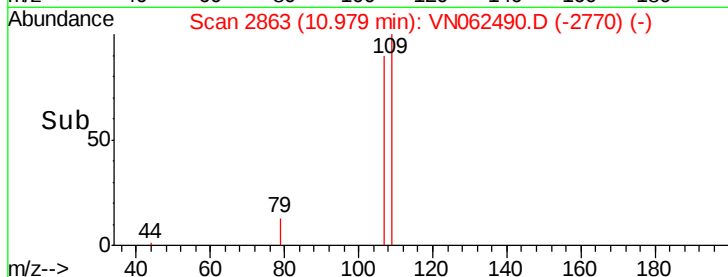
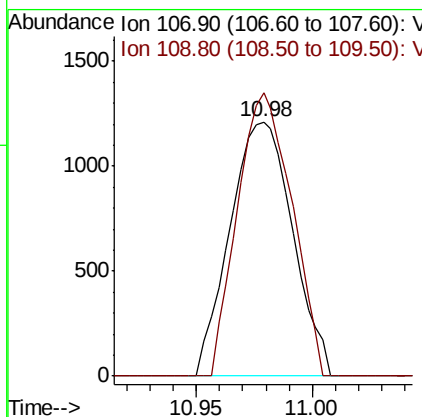
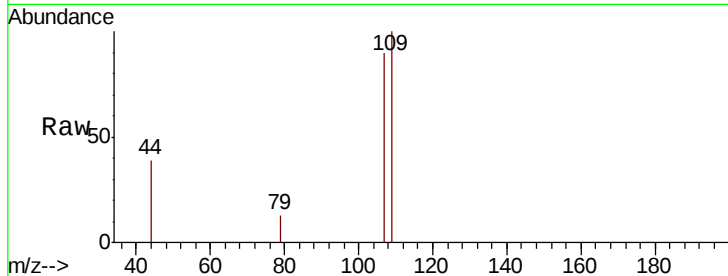
#61
 1,2-Dibromoethane
 Concen: 0.985 ug/l
 RT: 10.98 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion: 107 Resp: 2273
 Ion Ratio Lower Upper
 107 100
 109 96.6 75.6 113.4

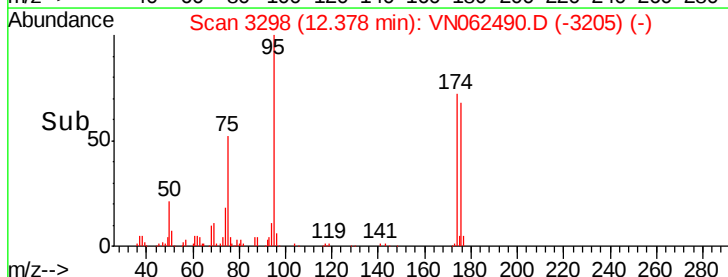
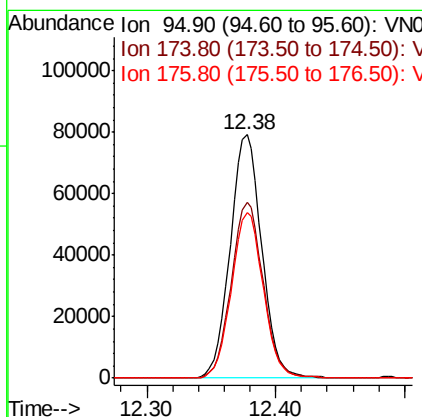
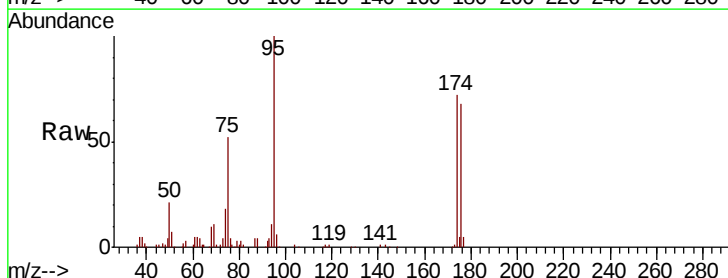
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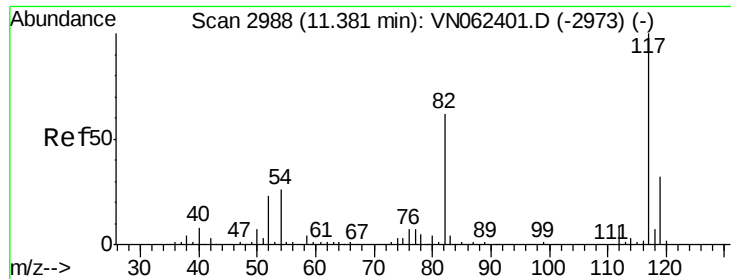
MMDadoda
 7/13/2020 11:19:13 AM



#62
 4-Bromofluorobenzene
 Concen: 44.472 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion: 95 Resp: 134418
 Ion Ratio Lower Upper
 95 100
 174 72.9 0.0 141.6
 176 68.7 0.0 137.2





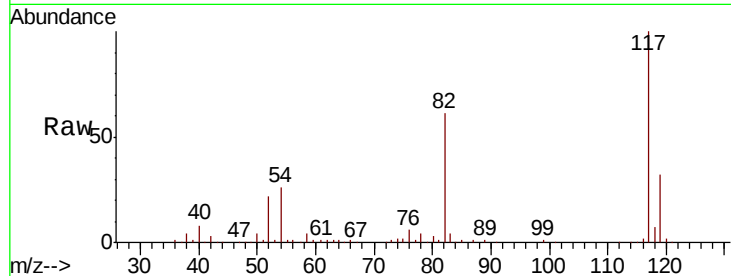
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
117	100		
82	61.1	49.6	74.4
119	32.3	25.4	38.0

Manual Integrations
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MMDadoda
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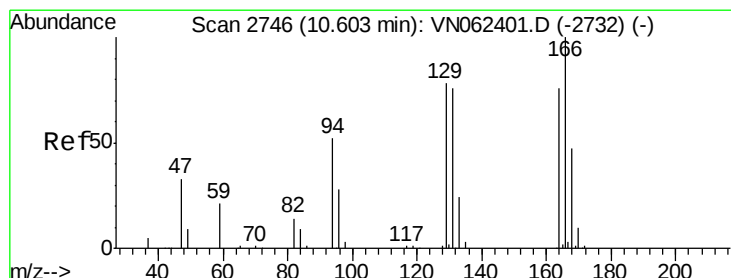
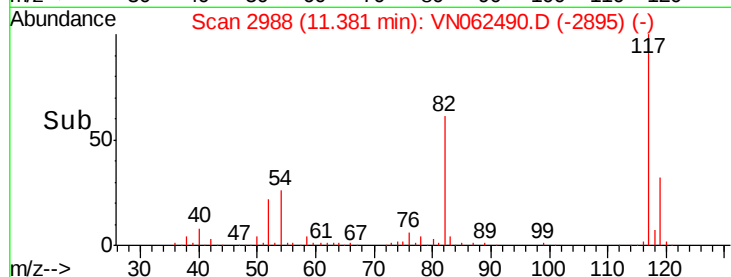
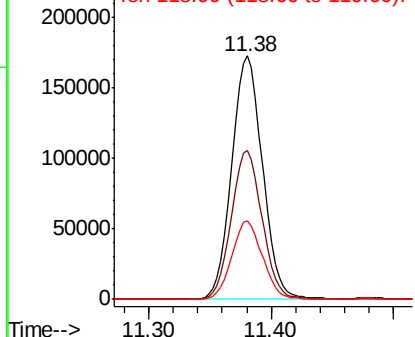


Abundance

Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.908 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.4	104.9	157.3
129	90.0	81.8	122.6
131	94.3	79.3	118.9

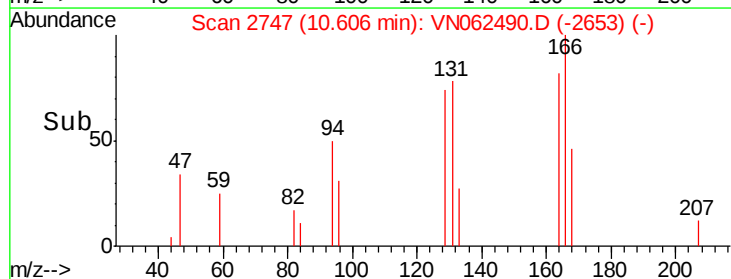
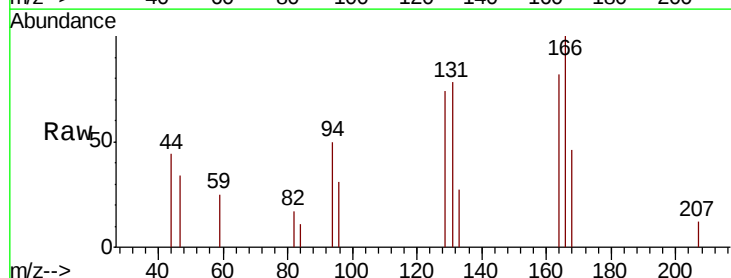
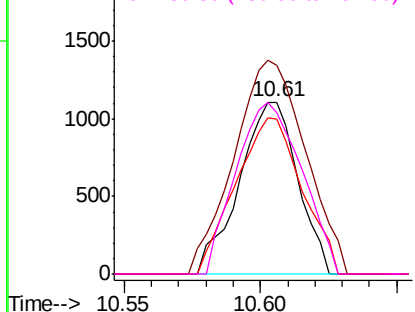
Abundance

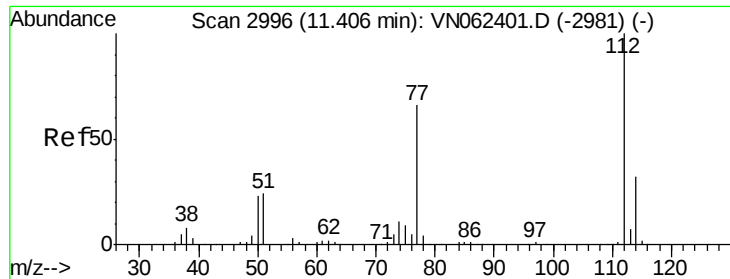
Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





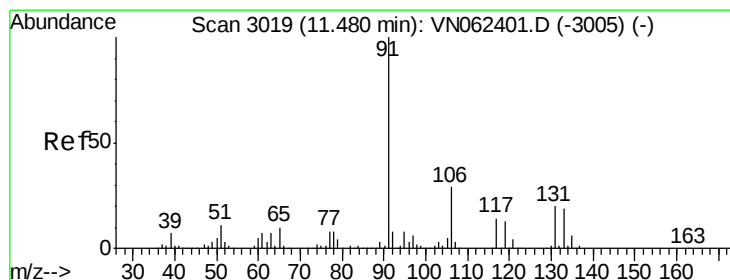
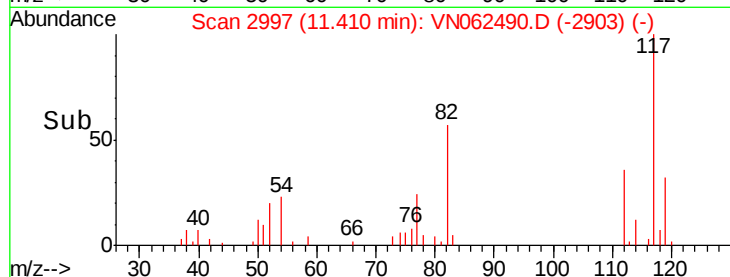
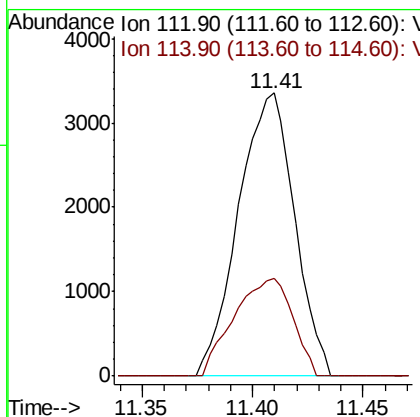
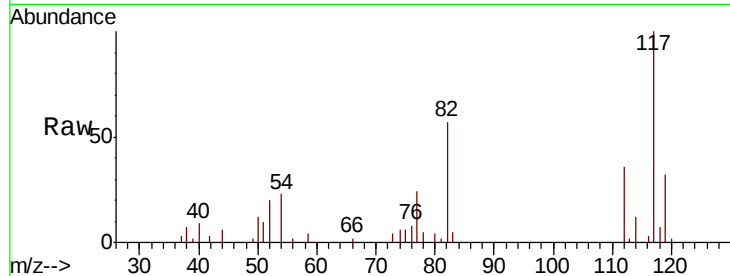
#65
Chlorobenzene
Concen: 1.001 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion:112 Resp: 5908
Ion Ratio Lower Upper
112 100
114 34.6 25.9 38.9

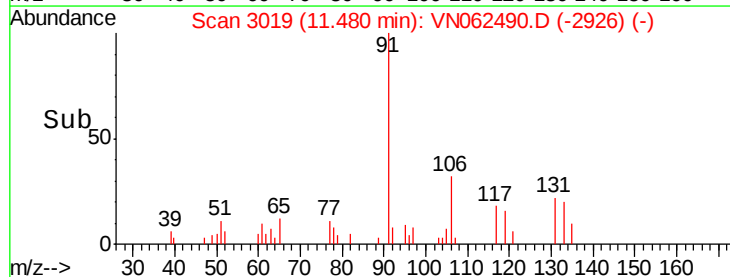
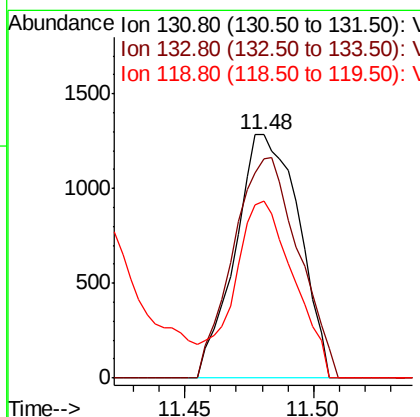
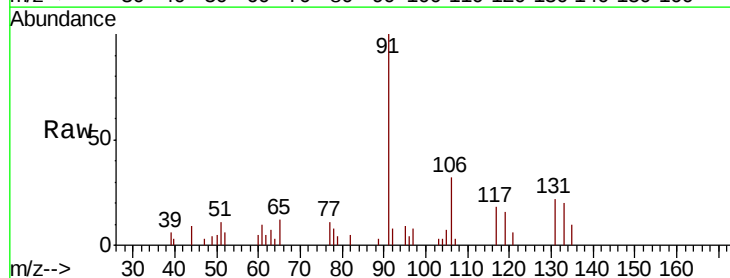
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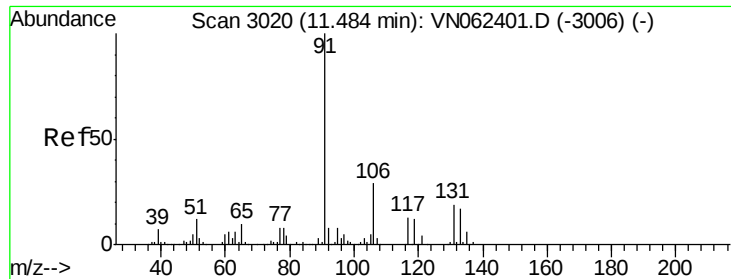
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 1.014 ug/l
RT: 11.48 min Scan# 3019
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion:131 Resp: 2207
Ion Ratio Lower Upper
131 100
133 93.8 46.9 140.8
119 0.0 33.2 99.6#





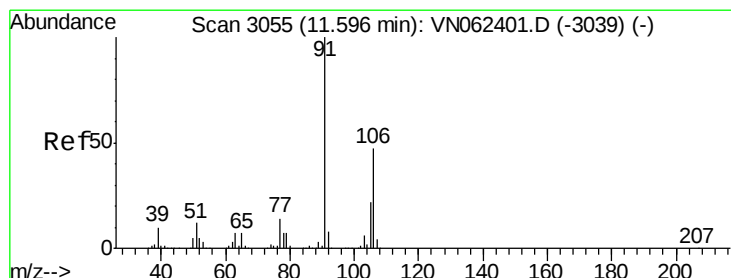
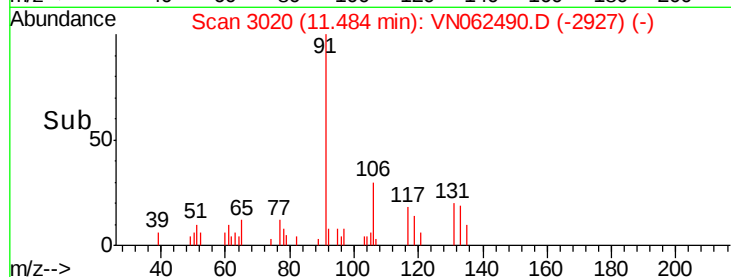
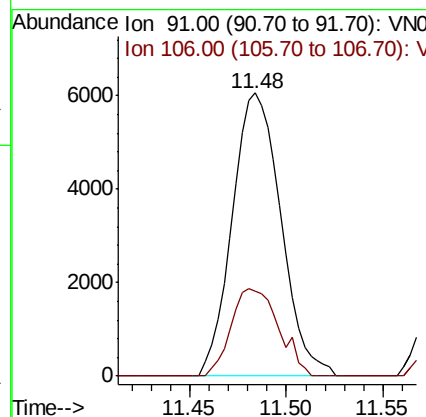
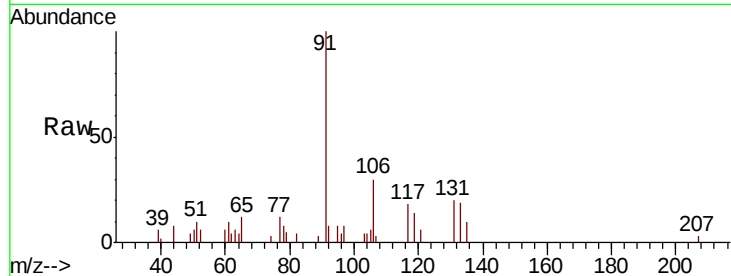
#67
Ethyl Benzene
Concen: 0.958 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion: 91 Resp: 10613
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.2

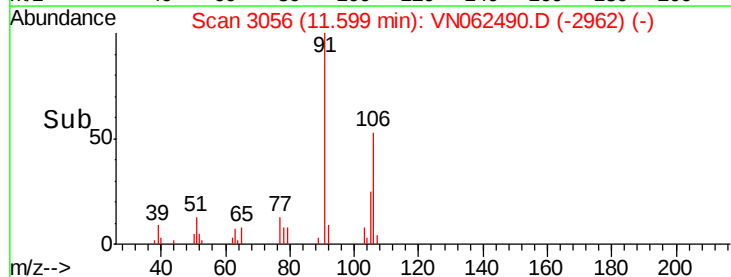
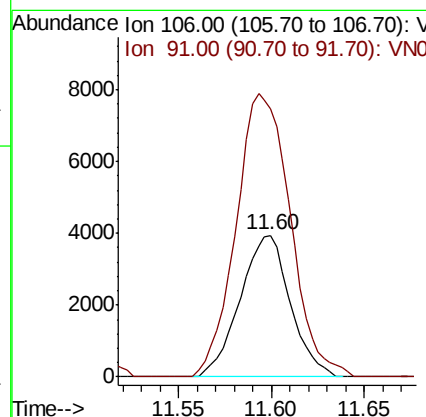
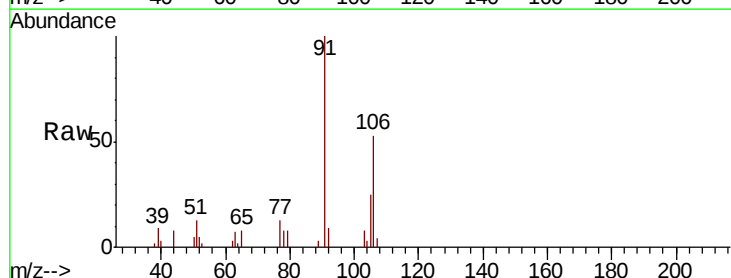
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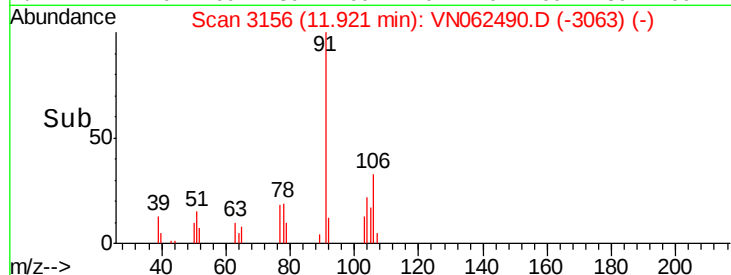
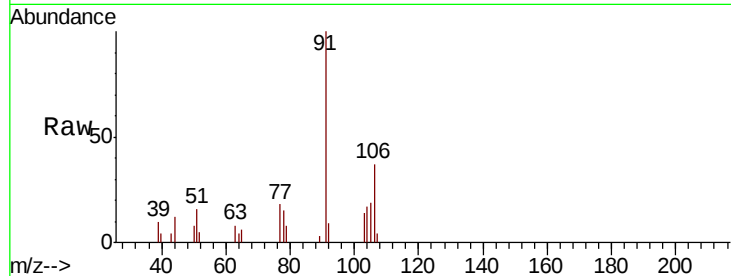
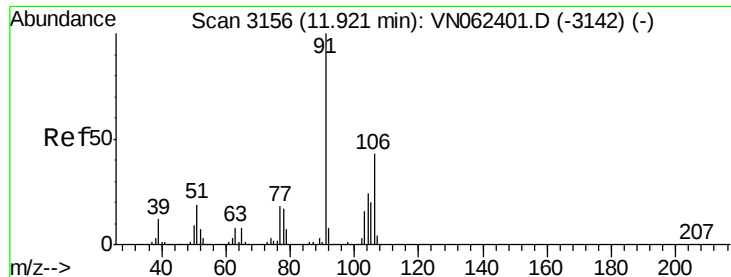
MMDadoda
7/13/2020 11:19:13 AM



#68
m/p-Xylenes
Concen: 1.883 ug/l
RT: 11.60 min Scan# 3056
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion: 106 Resp: 7384
Ion Ratio Lower Upper
106 100
91 217.1 172.4 258.6





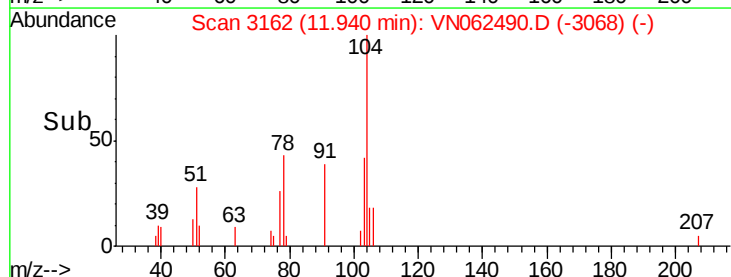
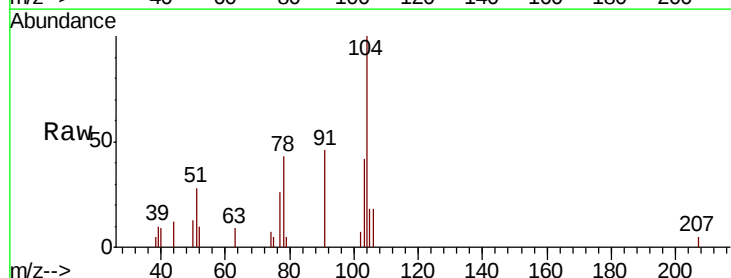
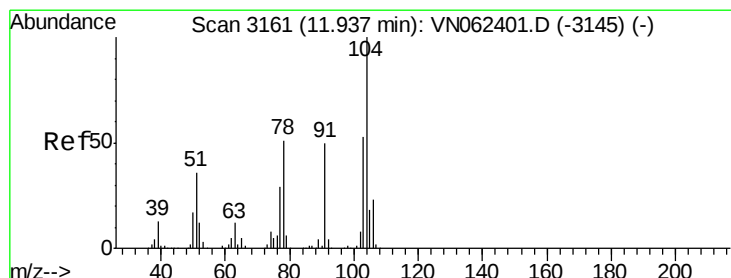
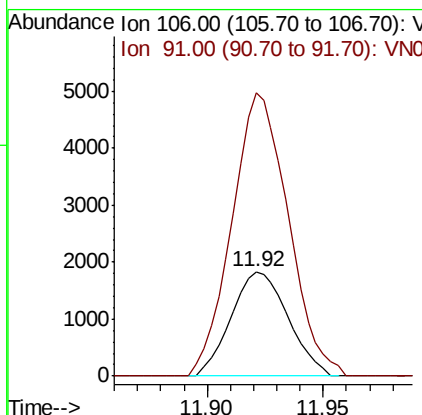
#69
o-Xylene
Concen: 0.819 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tot Ion:106 Resp: 3126
Ion Ratio Lower Upper
106 100
91 268.3 113.8 341.4

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

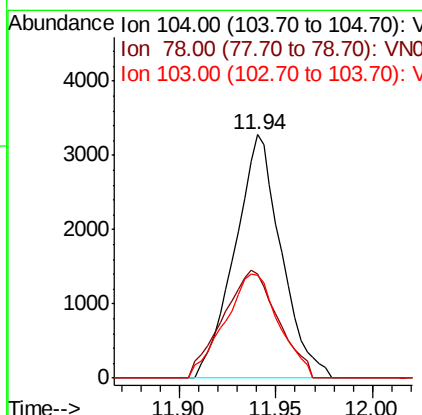
Manual Integrations
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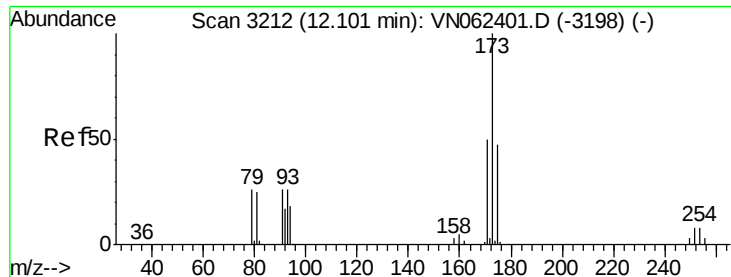
MMDadoda
7/13/2020 11:19:13 AM



#70
Styrene
Concen: 0.869 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion:104 Resp: 5481
Ion Ratio Lower Upper
104 100
78 52.5 44.2 66.4
103 49.3 44.4 66.6





#71

Bromoform

Concen: 1.010 ug/l

RT: 12.09 min Scan# 3210

Delta R.T. -0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

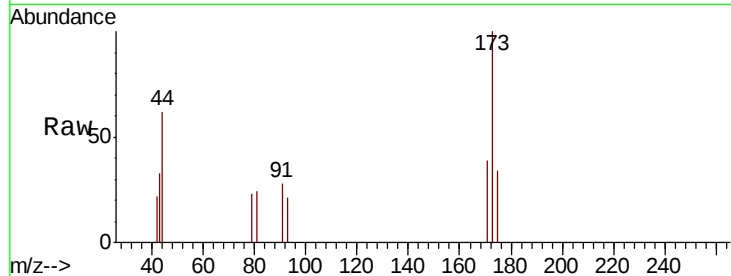
ClientSampleId :

LOQ-WATER-02-QT3-2020

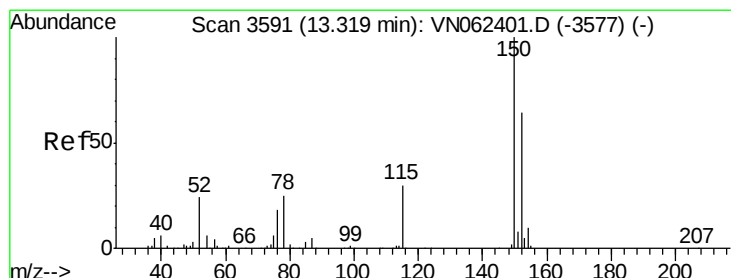
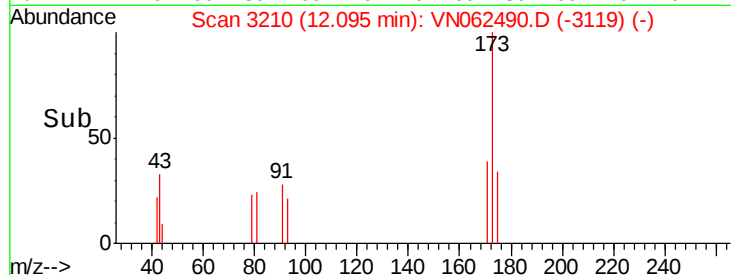
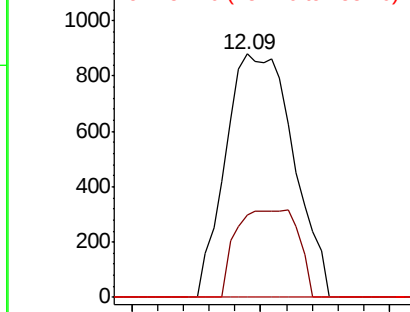
Tot Ion:	173	Resp:	1611
Ion Ratio	Lower	Upper	
173	100		
175	32.8	23.7	71.1
254	0.0	0.0	0.0

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

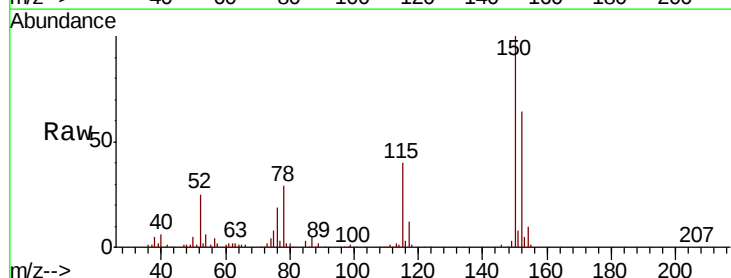
RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

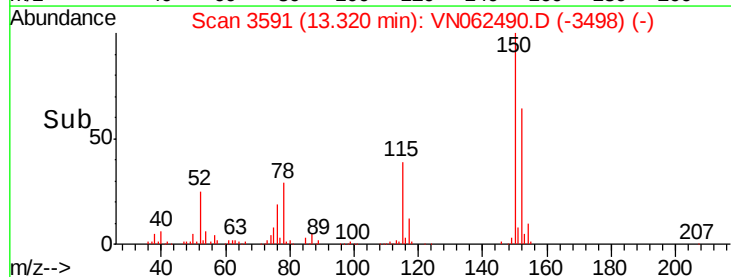
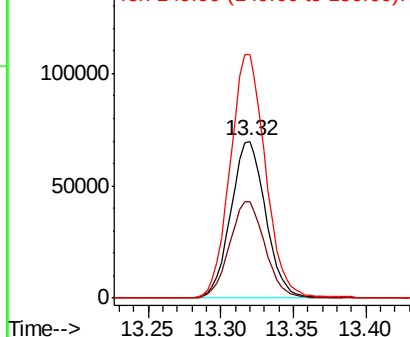
Lab File: VN062490.D

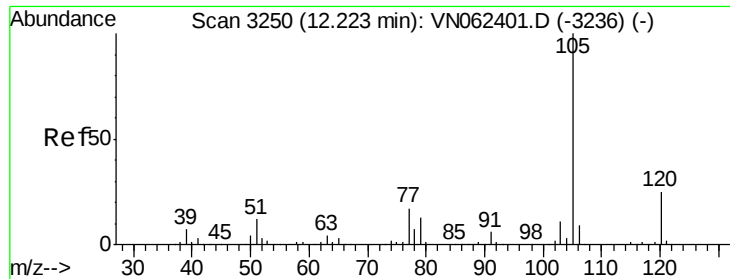
Acq: 10 Jul 2020 13:54

Tgt Ion:	152	Resp:	116536
Ion Ratio	Lower	Upper	
152	100		
115	62.3	31.4	94.2
150	156.9	0.0	347.4



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





#73

Isopropylbenzene

Concen: 0.993 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion: 105 Resp: 8954

Ion Ratio Lower Upper

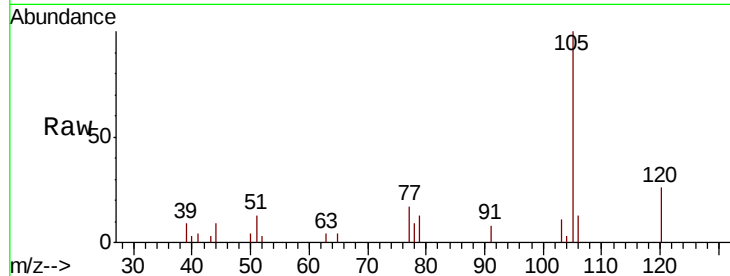
105 100

120 26.0 12.7 38.1

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

6000

5000

4000

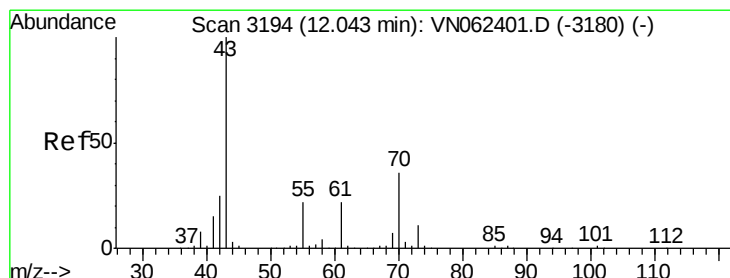
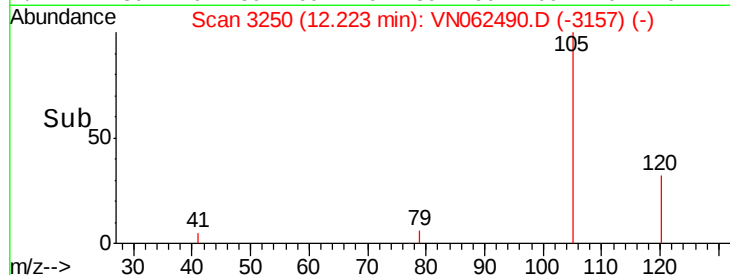
3000

2000

1000

0

Time-->



#74

N-ethyl acetate

Concen: 0.937 ug/l

RT: 12.05 min Scan# 3197

Delta R.T. 0.01 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion: 43 Resp: 4113

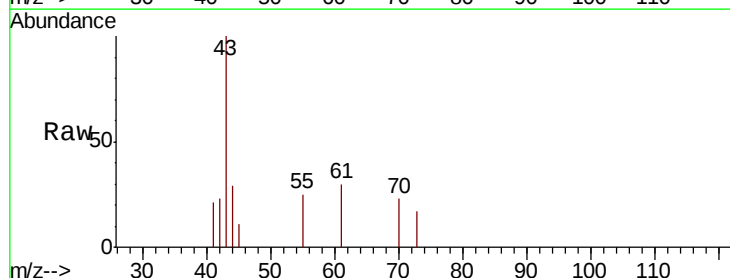
Ion Ratio Lower Upper

43 100

70 21.1 30.0 45.0#

55 19.3 18.2 27.4

61 19.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

2500

2000

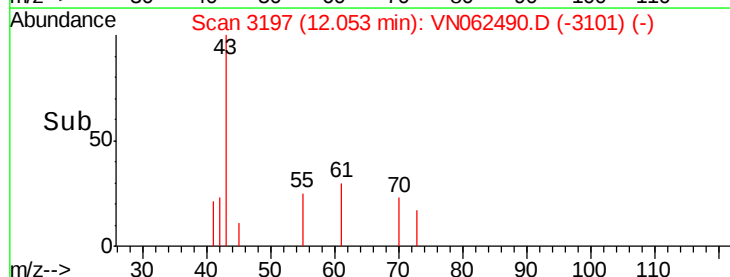
1500

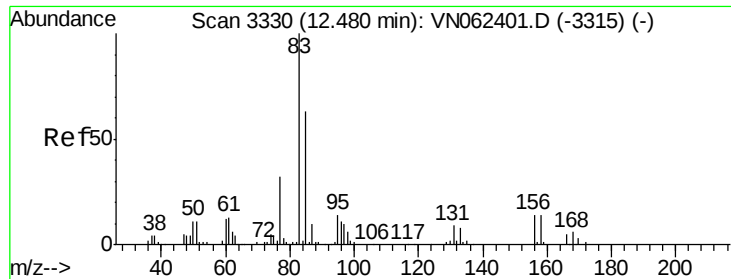
1000

500

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.178 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

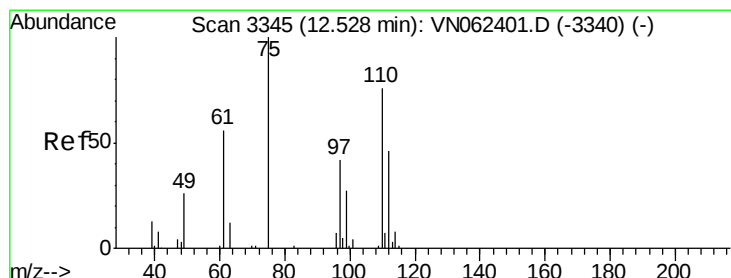
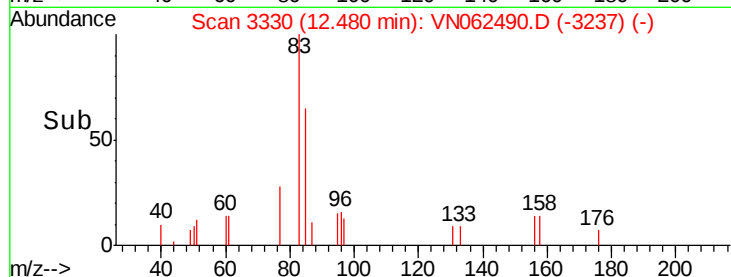
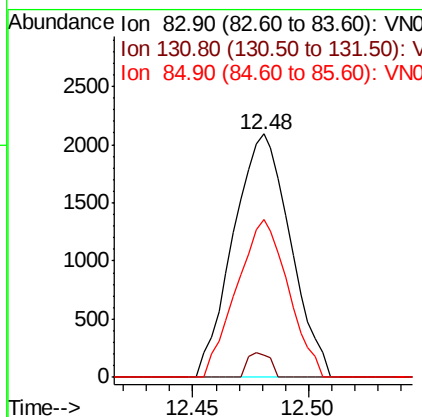
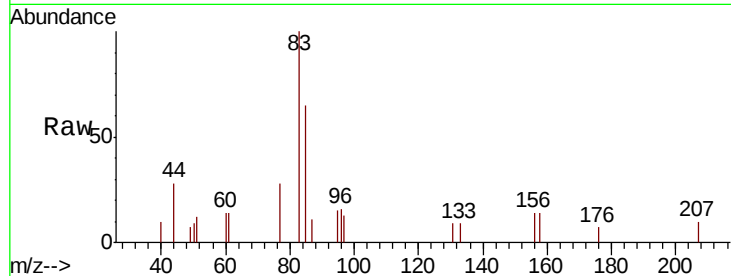
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
83	100		
131	4.1	4.5	13.5#
85	58.8	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 1.167 ug/l m

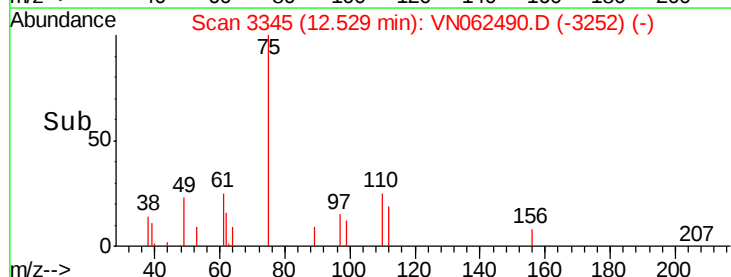
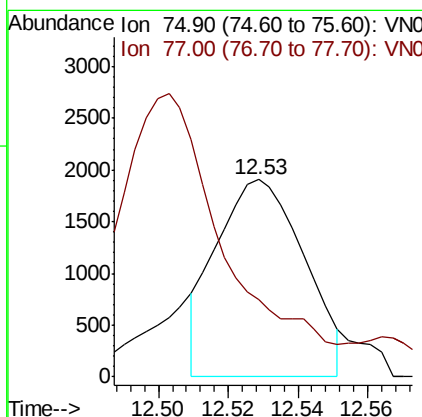
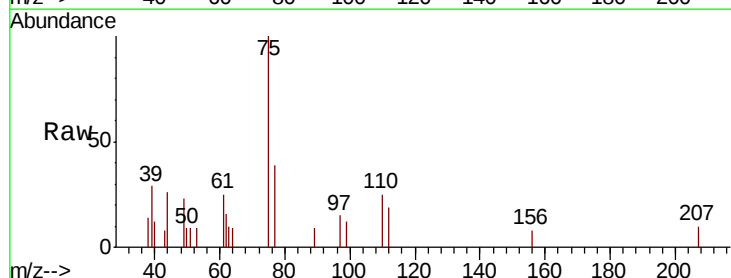
RT: 12.53 min Scan# 3345

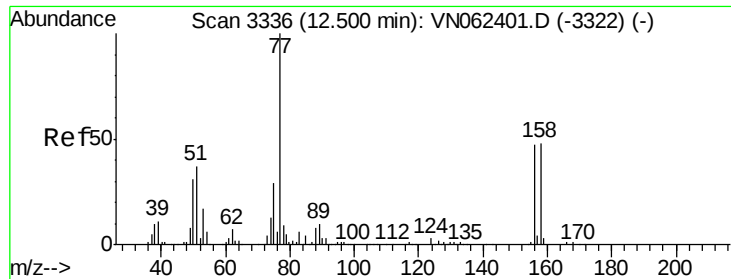
Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





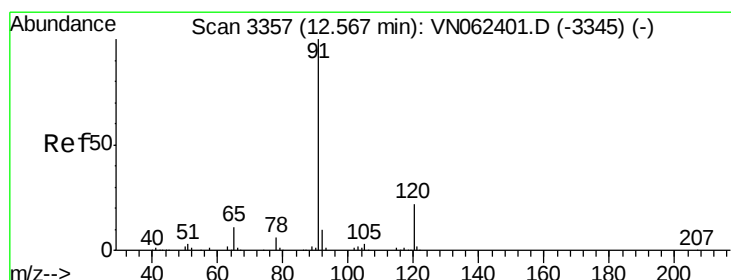
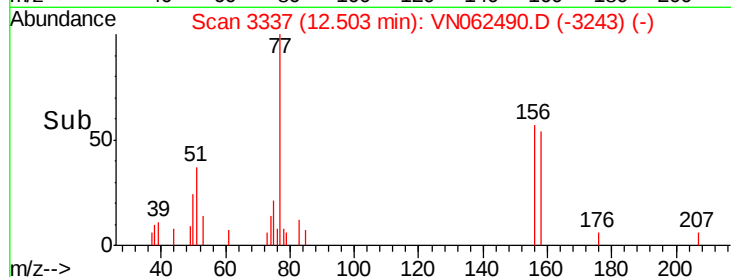
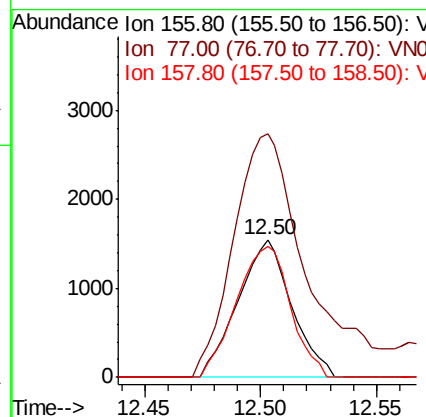
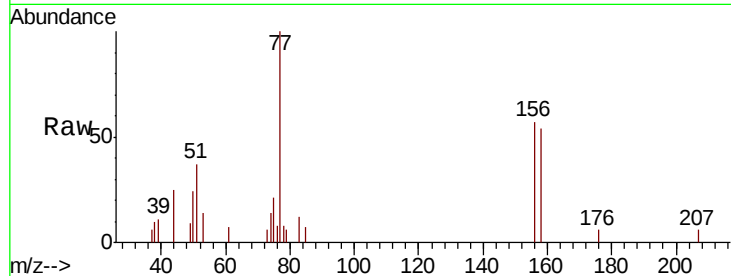
#77
Bromobenzene
Concen: 1.213 ug/l
RT: 12.50 min Scan# 3337
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
156	100		
77	237.8	126.4	379.3
158	95.9	49.8	149.4

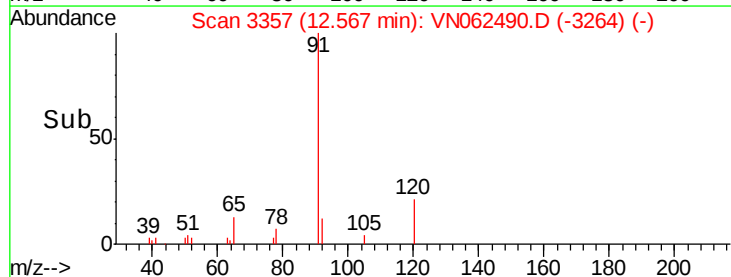
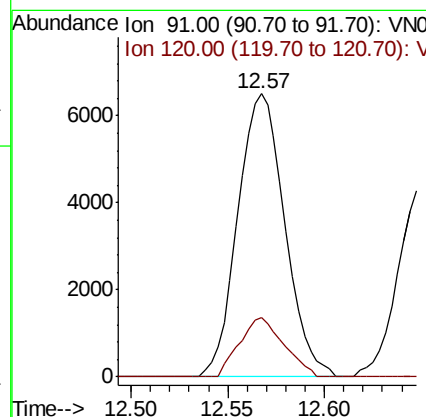
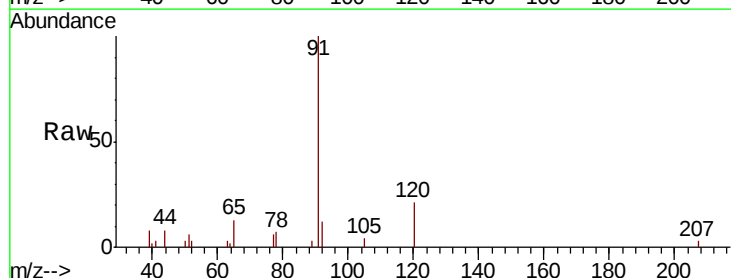
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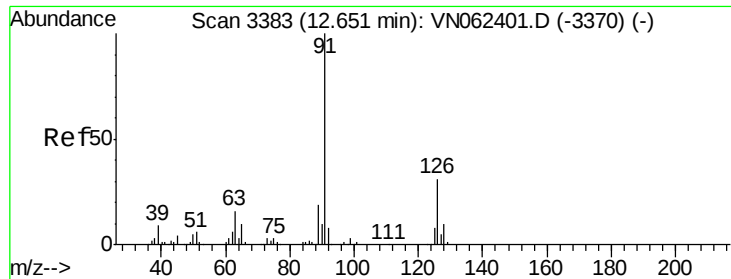
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#78
n-propylbenzene
Concen: 1.043 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
120	19.8	10.7	32.1





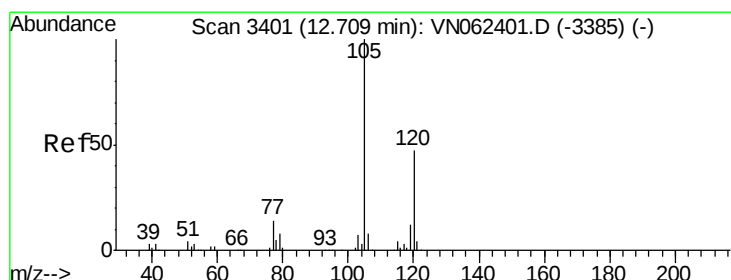
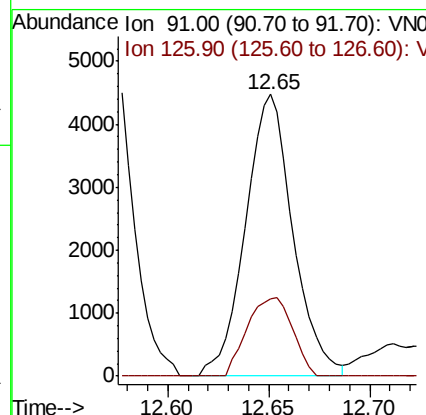
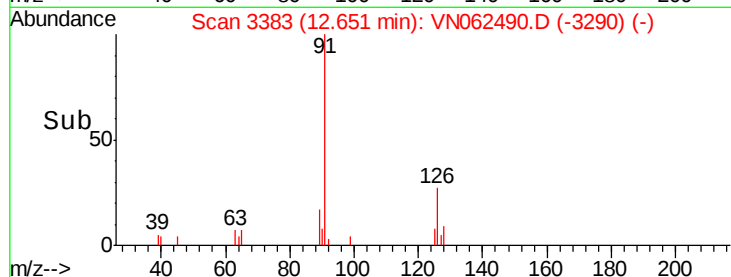
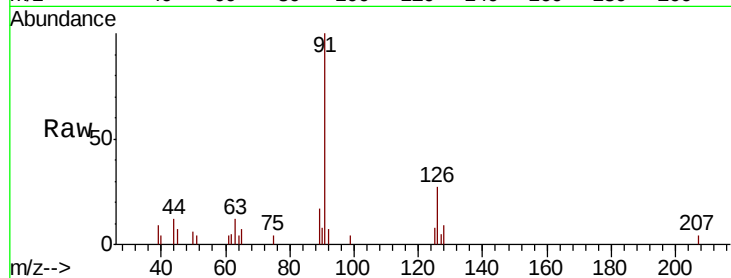
#79
 2-Chlorotoluene
 Concen: 1.154 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion: 91 Resp: 7376
 Ion Ratio Lower Upper
 91 100
 126 26.5 15.6 46.7

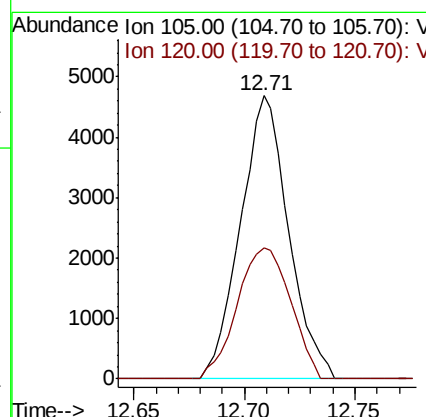
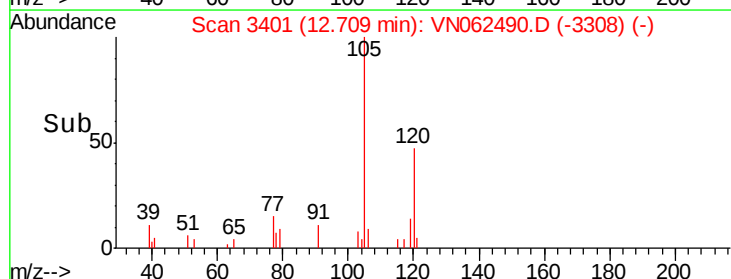
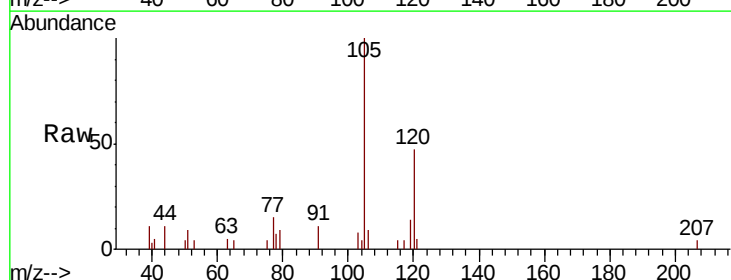
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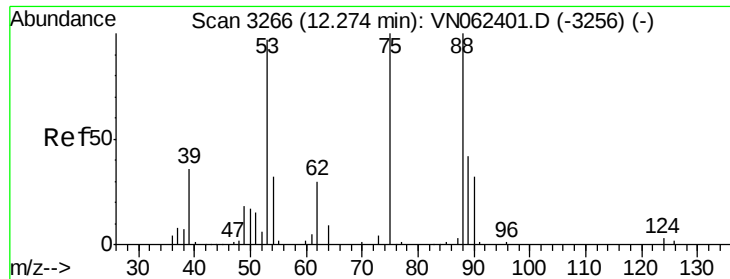
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#80
 1,3,5-Trimethylbenzene
 Concen: 0.959 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion: 105 Resp: 7089
 Ion Ratio Lower Upper
 105 100
 120 51.3 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 0.973 ug/l m

RT: 12.28 min Scan# 3267

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

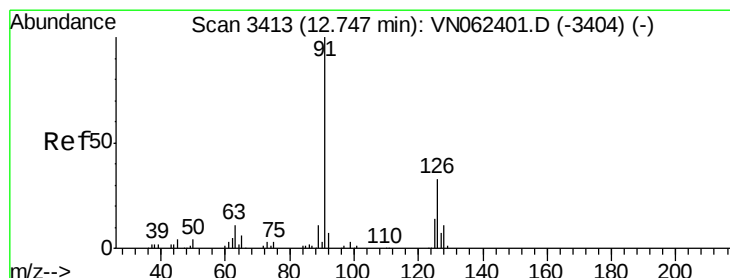
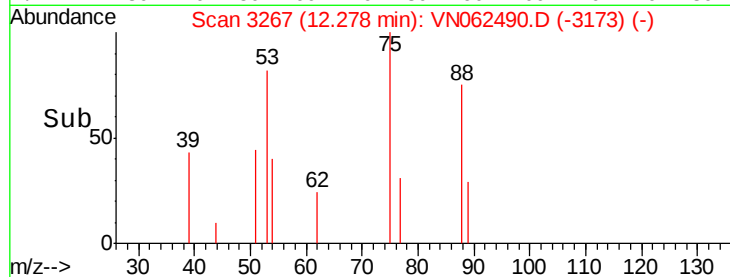
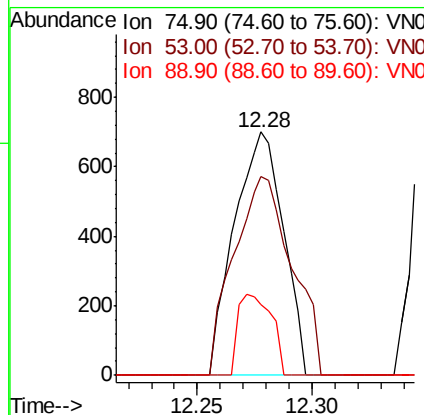
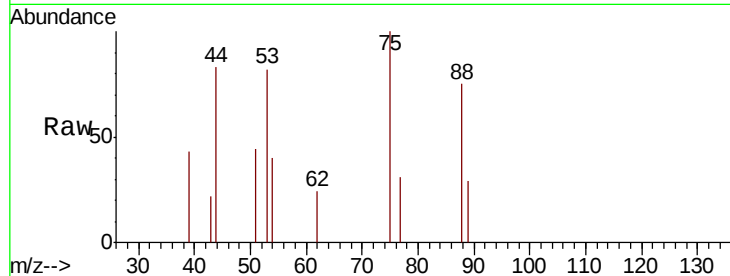
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.2	118.8#
89	0.0	34.6	52.0#

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#82

4-Chlorotoluene

Concen: 1.036 ug/l

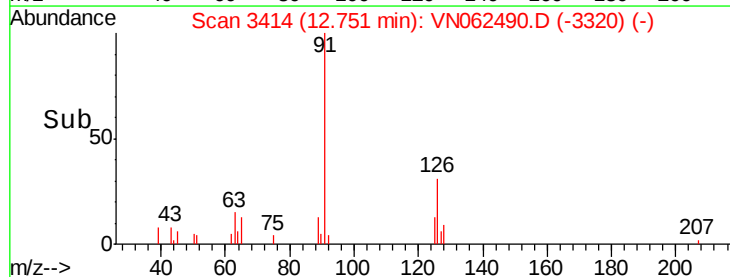
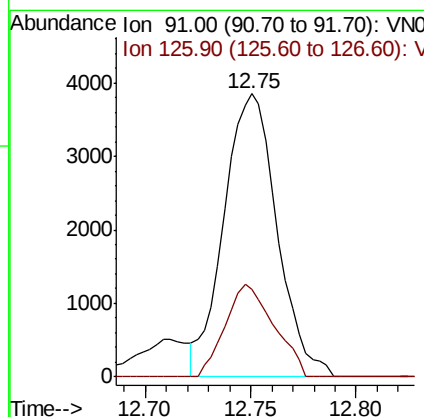
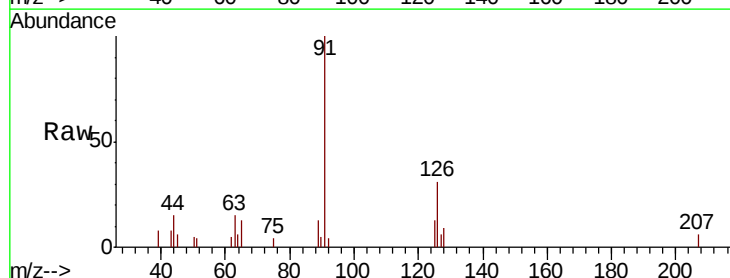
RT: 12.75 min Scan# 3414

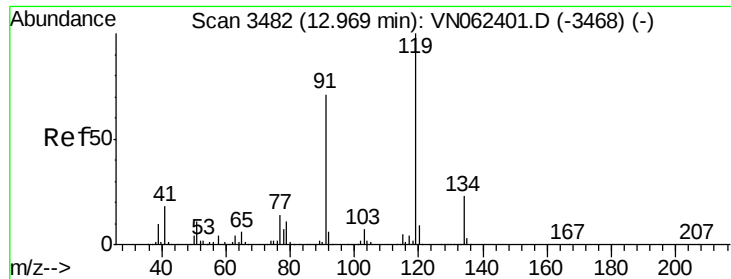
Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.0	15.2	45.6





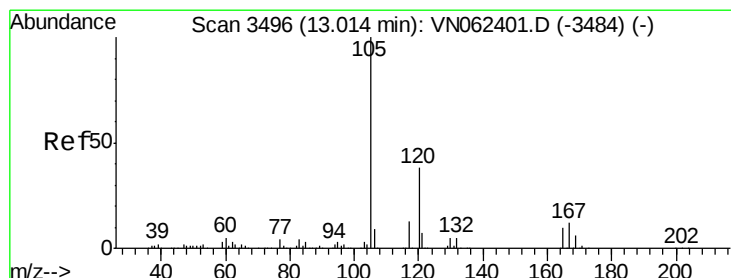
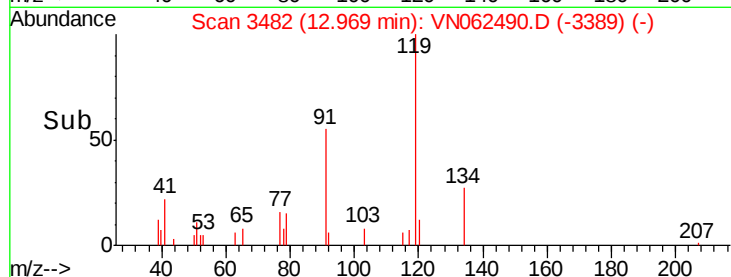
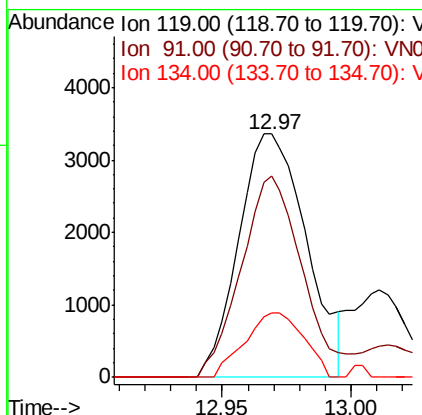
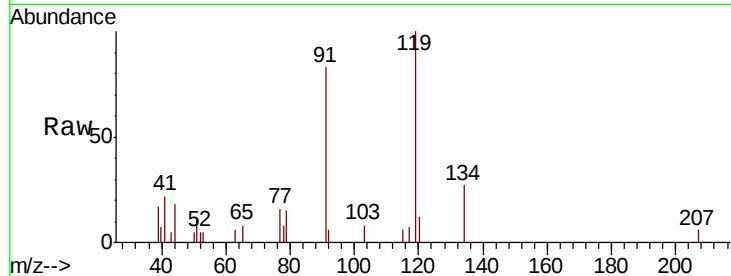
#83
 tert-Butylbenzene
 Concen: 0.980 ug/l
 RT: 12.97 min Scan# 3482
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
119	100		
91	74.4	34.8	104.3
134	23.0	11.7	35.0

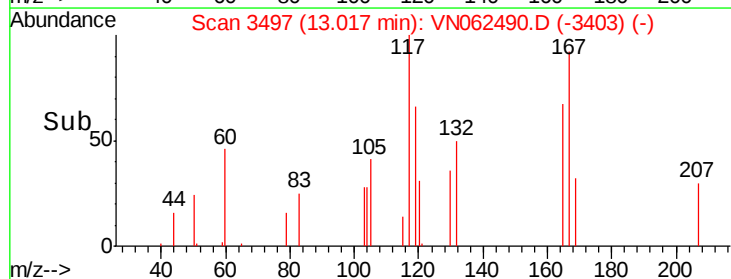
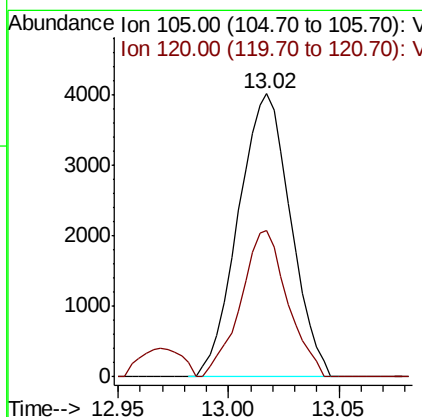
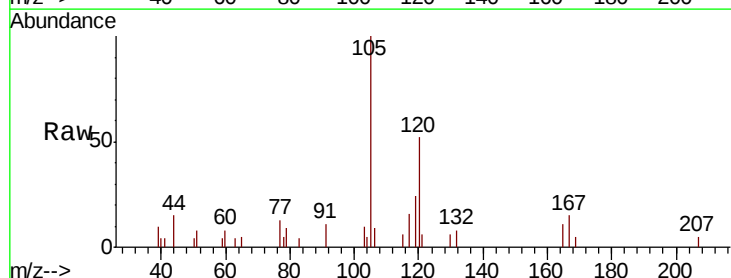
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.899 ug/l
 RT: 13.02 min Scan# 3497
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.3	21.6	64.8





#85

sec-Butylbenzene

Concen: 0.962 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion:105 Resp: 7999

Ion Ratio Lower Upper

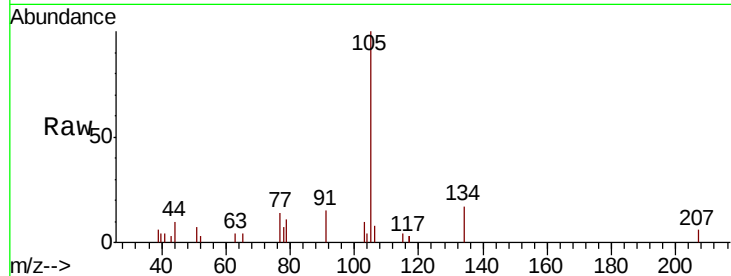
105 100

134 17.9 9.3 28.0

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

6000

5000

4000

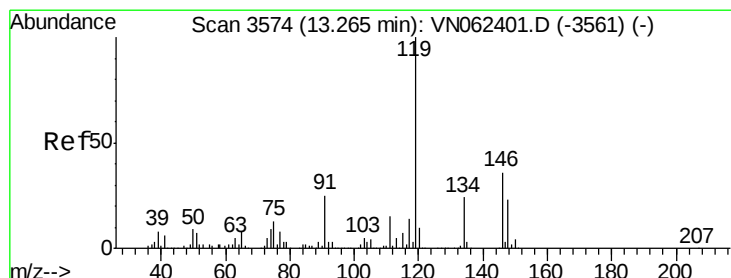
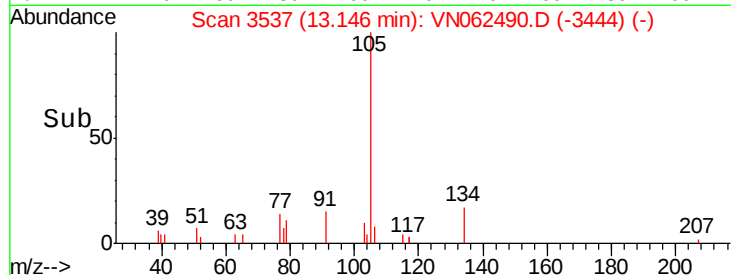
3000

2000

1000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 0.805 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

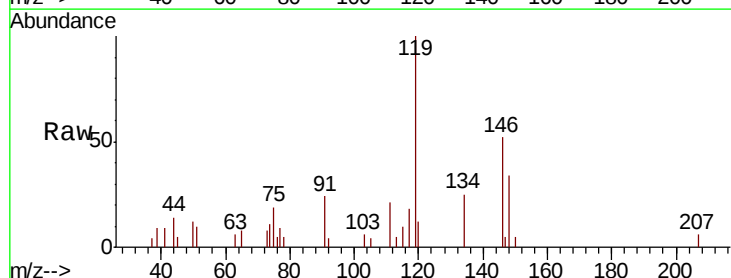
Tgt Ion:119 Resp: 5777

Ion Ratio Lower Upper

119 100

134 26.9 12.4 37.0

91 28.8 12.4 37.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

5000

4000

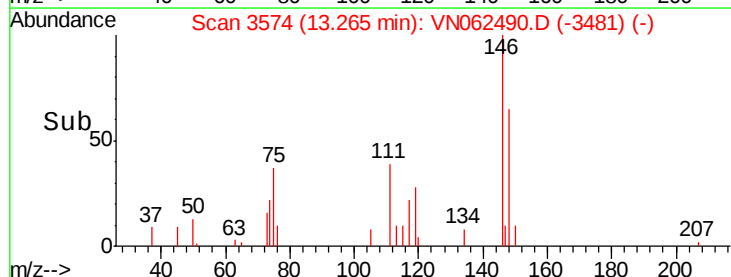
3000

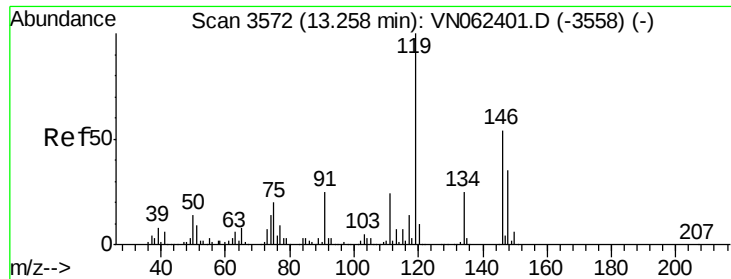
2000

1000

0

Time--> 13.20 13.25 13.30





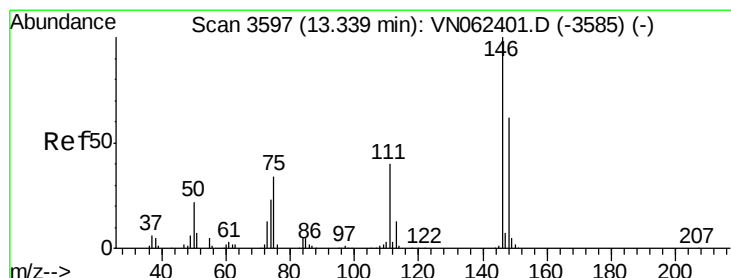
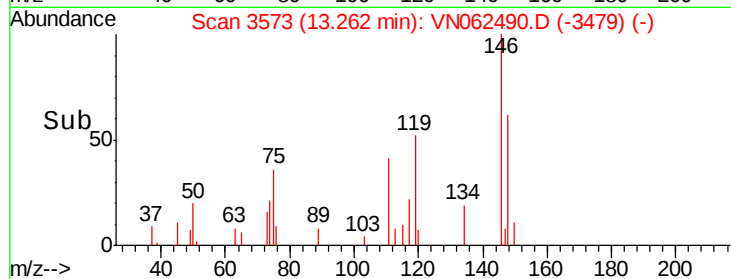
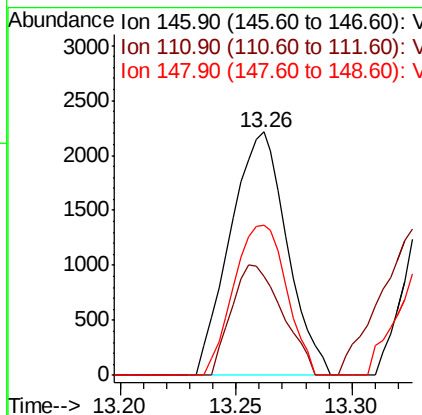
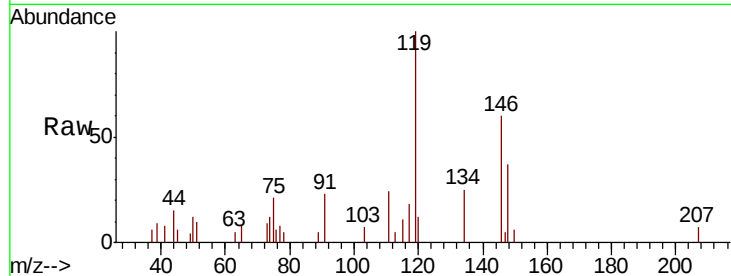
#87
 1,3-Dichlorobenzene
 Concen: 1.064 ug/l
 RT: 13.26 min Scan# 3573
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	40.8	21.6	64.6
148	57.4	32.2	96.6

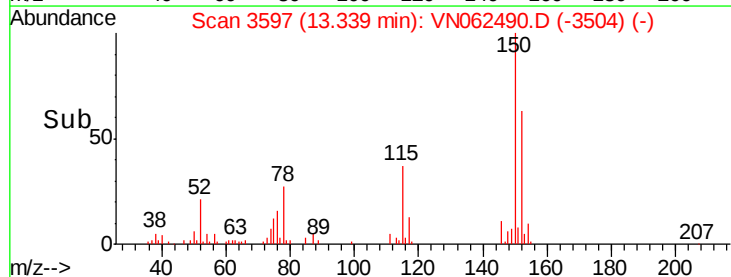
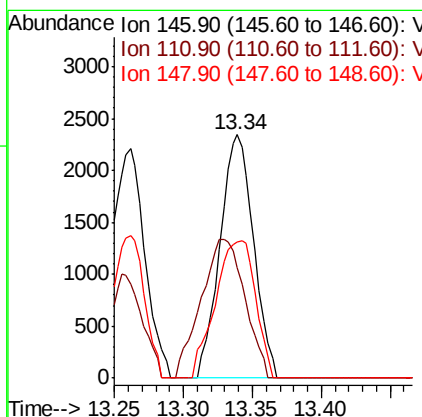
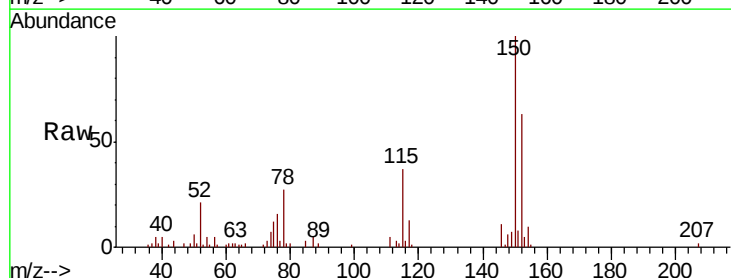
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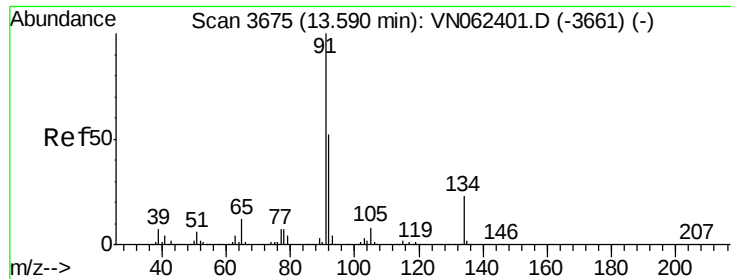
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#88
 1,4-Dichlorobenzene
 Concen: 1.087 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.8	21.1	63.1
148	54.6	31.4	94.2





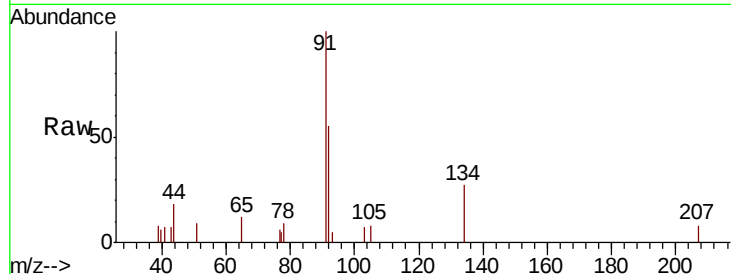
#89
n-Butylbenzene
Concen: 0.842 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
91	100		
92	53.1	25.9	77.7
134	24.3	11.6	34.8

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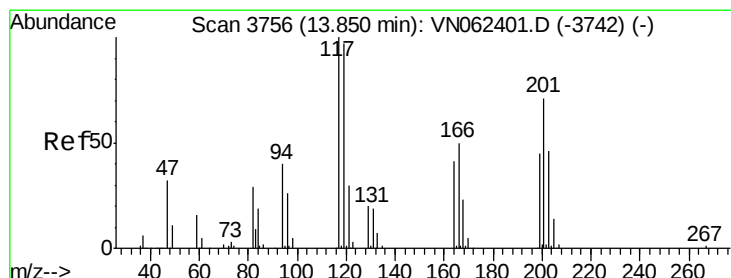
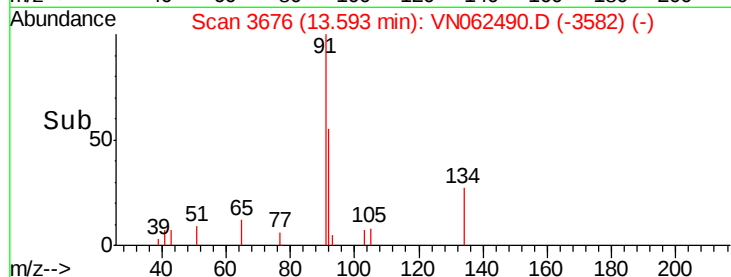
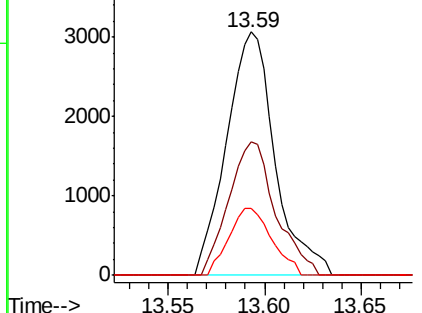


Abundance

Ion 91.00 (90.70 to 91.70): VN062401.D (-3661) (-)

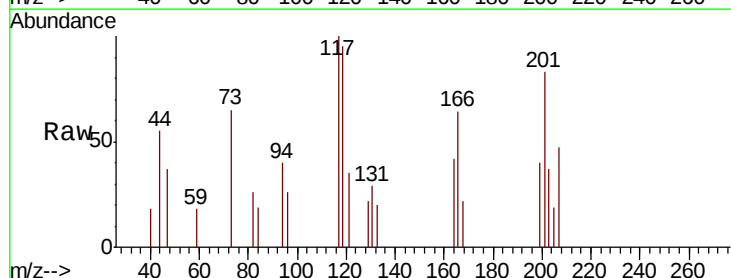
Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)

Ion 134.00 (133.70 to 134.70): VN062401.D (-3661) (-)



#90
Hexachloroethane
Concen: 1.020 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

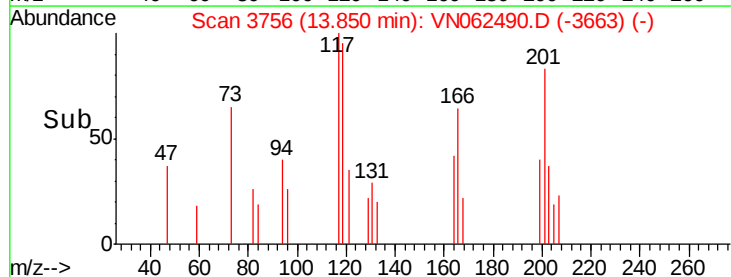
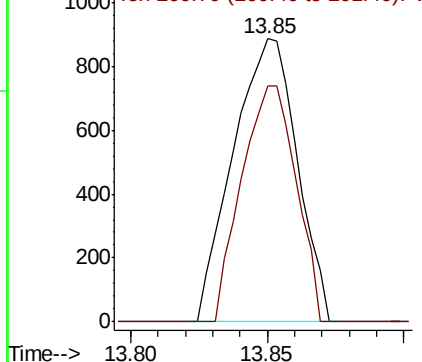
Tgt Ion	Ratio	Lower	Upper
117	100		
201	71.0	35.4	106.2

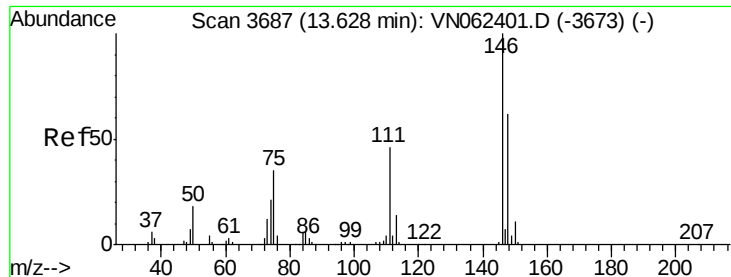


Abundance

Ion 116.80 (116.50 to 117.50): VN062401.D (-3742) (-)

Ion 200.70 (200.40 to 201.40): VN062401.D (-3742) (-)





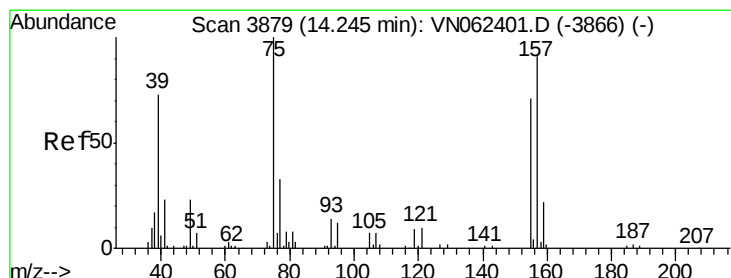
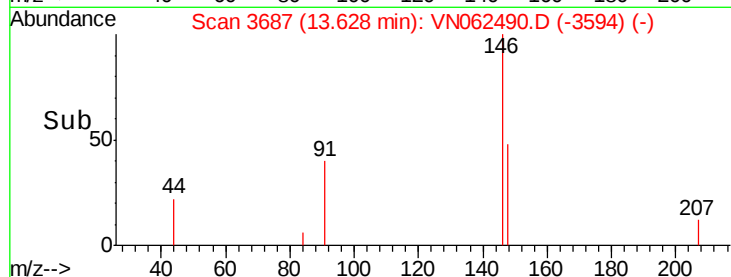
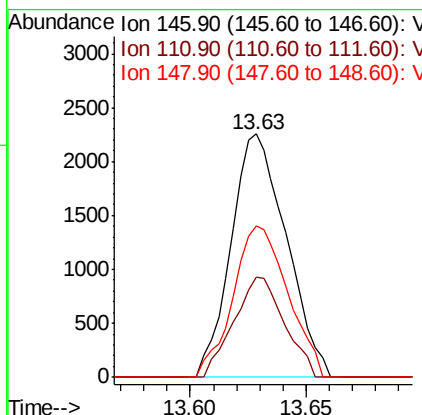
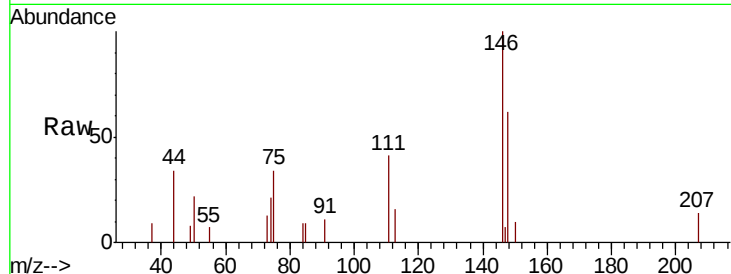
#91
 1,2-Dichlorobenzene
 Concen: 1.088 ug/l
 RT: 13.63 min Scan# 3687
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Instrument :
 MSVOA_N
 ClientSampleId :
 LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
146	100		
111	37.9	22.5	67.5
148	61.9	31.4	94.2

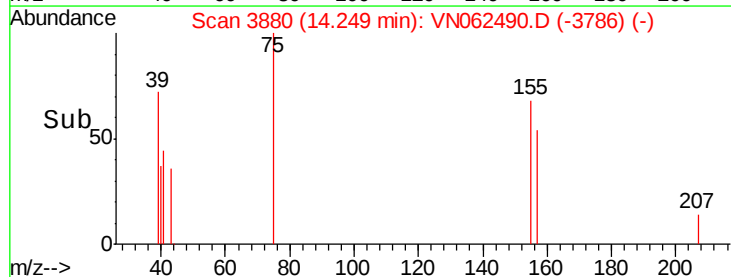
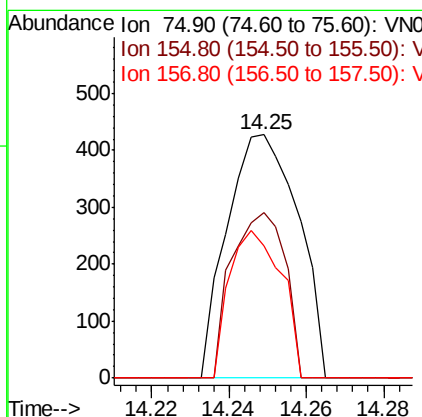
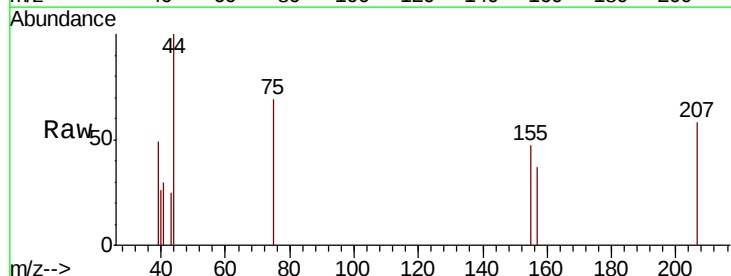
Manual Integrations
 APPROVED

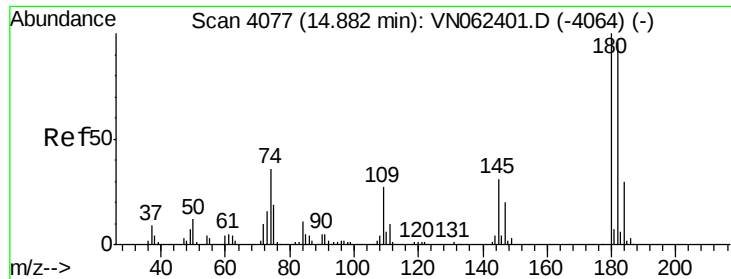
MMDadoda
 7/13/2020 11:19:13 AM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.989 ug/l
 RT: 14.25 min Scan# 3880
 Delta R.T. 0.00 min
 Lab File: VN062490.D
 Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
75	100		
155	51.0	35.2	105.6
157	43.9	45.8	137.3#





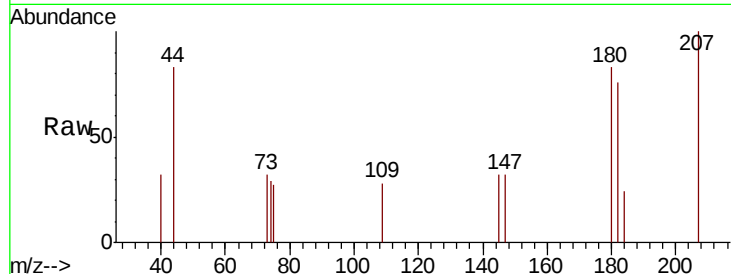
#93
1,2,4-Trichlorobenzene
Concen: 0.701 ug/l
RT: 14.89 min Scan# 4078
Delta R.T. 0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Instrument :
MSVOA_N
ClientSampleId :
LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
180	100		
182	99.5	48.4	145.2
145	18.7	15.5	46.5

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:13 AM

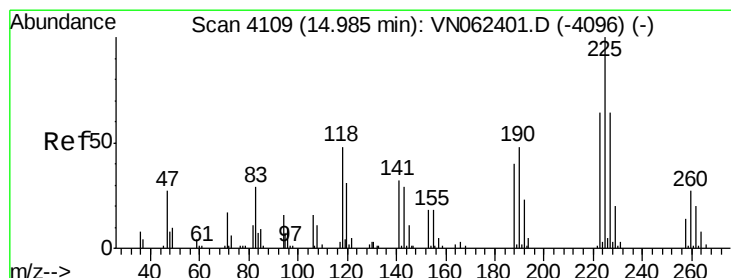
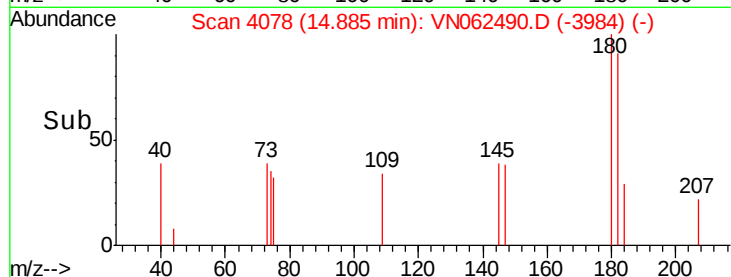
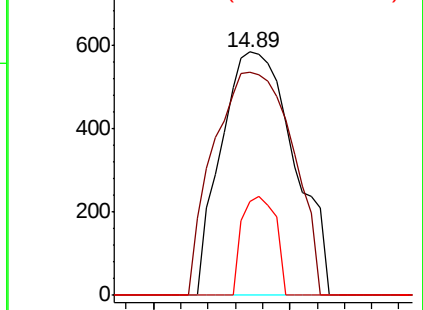


Abundance

Ion 179.80 (179.50 to 180.50): V

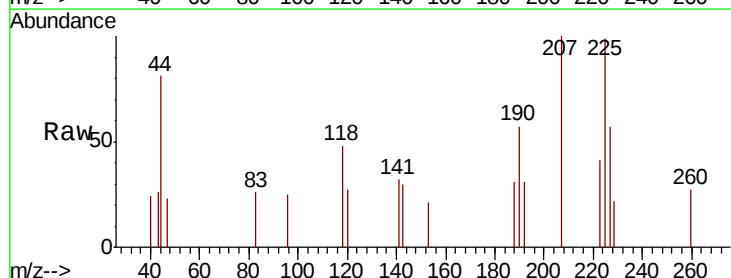
Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94
Hexachlorobutadiene
Concen: 1.076 ug/l
RT: 14.98 min Scan# 4108
Delta R.T. -0.00 min
Lab File: VN062490.D
Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
225	100		
223	50.9	32.3	96.8
227	62.4	31.9	95.7

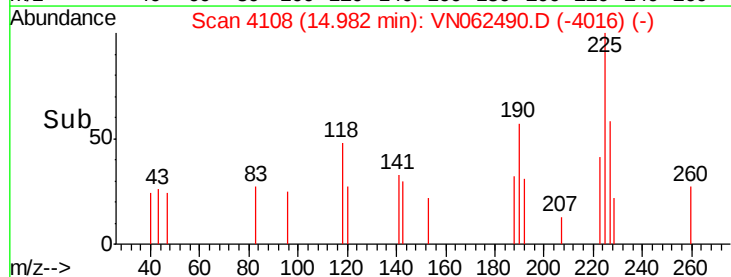
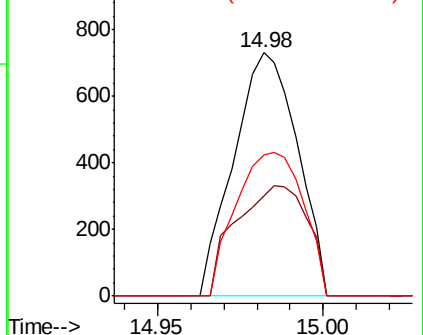


Abundance

Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 0.836 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Instrument :

MSVOA_N

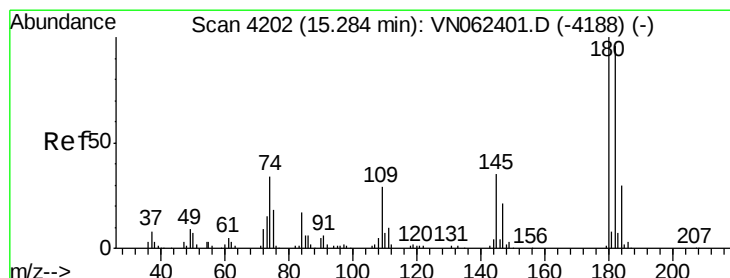
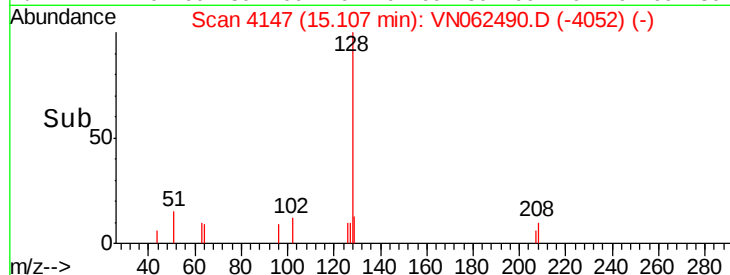
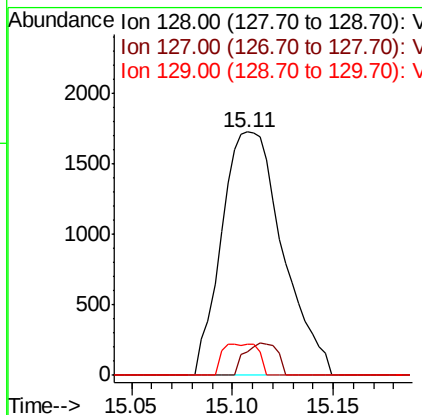
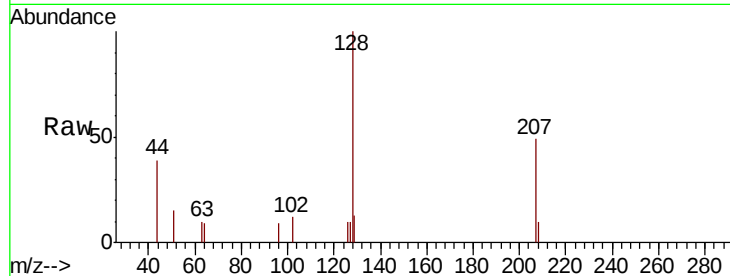
ClientSampleId :

LOQ-WATER-02-QT3-2020

Tot Ion	Ratio	Lower	Upper
128	100		
127	7.0	10.2	15.2#
129	7.6	8.6	12.8#

Manual Integrations
APPROVED

MMDadoda
7/13/2020 11:19:13 AM



#96

1,2,3-Trichlorobenzene

Concen: 0.832 ug/l

RT: 15.29 min Scan# 4203

Delta R.T. 0.00 min

Lab File: VN062490.D

Acq: 10 Jul 2020 13:54

Tgt Ion	Ratio	Lower	Upper
180	100		
182	82.6	47.8	143.4
145	29.5	17.0	50.9

