

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
 Data File : VN062488.D
 Acq On : 10 Jul 2020 13:06
 Operator : JC/MD
 Sample : L3216-09 .75PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

MMDadoda
 7/13/2020 11:19:09 AM

Quant Time: Jul 13 01:30:02 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	189700	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	330379	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	296330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	110552	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	146103	50.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.14%	
35) Dibromofluoromethane	7.55	113	103109	50.49	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.98%	
50) Toluene-d8	10.06	98	394168	48.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.78%	
62) 4-Bromofluorobenzene	12.38	95	128795	43.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.44%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	1444	0.747	ug/l	92
3) Chloromethane	2.04	50	2631	0.849	ug/l	99
4) Vinyl Chloride	2.16	62	1966	0.774	ug/l	90
5) Bromomethane	2.53	94	1420	1.041	ug/l	94
6) Chloroethane	2.67	64	1355	0.916	ug/l	91
7) Trichlorofluoromethane	2.98	101	2729	0.846	ug/l	98
8) Diethyl Ether	3.38	74	1064	0.738	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.71	101	1329	0.695	ug/l #	81
10) Methyl Iodide	3.91	142	1148	0.455	ug/l #	56
11) Tert butyl alcohol	4.74	59	1746m	3.607	ug/l	
12) 1,1-Dichloroethene	3.70	96	1615	0.829	ug/l	88
13) Acrolein	3.57	56	1113	3.188	ug/l #	68
14) Allyl chloride	4.28	41	3059	0.668	ug/l #	86
15) Acrylonitrile	4.94	53	4328	3.409	ug/l #	86
16) Acetone	3.78	43	5039	4.068	ug/l	97
17) Carbon Disulfide	4.01	76	5827	0.955	ug/l	99
18) Methyl Acetate	4.30	43	3276m	1.060	ug/l	
19) Methyl tert-butyl Ether	4.99	73	5716	0.774	ug/l	98
20) Methylene Chloride	4.50	84	2728	1.030	ug/l	86
21) trans-1,2-Dichloroethene	4.99	96	1724m	0.817	ug/l	
22) Diisopropyl ether	5.90	45	6679	0.738	ug/l #	71
23) Vinyl Acetate	5.85	43	25701	3.429	ug/l	98
24) 1,1-Dichloroethane	5.79	63	3617	0.774	ug/l #	85
25) 2-Butanone	6.80	43	6452	3.566	ug/l	95
26) 2,2-Dichloropropane	6.77	77	3117	0.870	ug/l #	62
27) cis-1,2-Dichloroethene	6.78	96	1943	0.795	ug/l	94
28) Bromochloromethane	7.15	49	1573	0.619	ug/l #	98
29) Tetrahydrofuran	7.18	42	4297	3.528	ug/l #	83
30) Chloroform	7.33	83	3402	0.806	ug/l	90
31) Cyclohexane	7.62	56	7836	1.768	ug/l #	10
32) 1,1,1-Trichloroethane	7.53	97	2736	0.779	ug/l #	52
36) 1,1-Dichloropropene	7.75	75	2551	0.766	ug/l #	62
37) Ethyl Acetate	6.89	43	3087m	0.793	ug/l	
38) Carbon Tetrachloride	7.73	117	2337	0.781	ug/l	97

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

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

39) Methylcyclohexane	9.04	83	2676	0.753	ug/l #	93
40) Benzene	8.00	78	7398	0.754	ug/l	99
41) Methacrylonitrile	7.14	41	1259	0.774	ug/l #	66
42) 1,2-Dichloroethane	8.08	62	3053	0.850	ug/l	87
43) Isopropyl Acetate	8.13	43	4247	0.691	ug/l #	94
44) Trichloroethene	8.80	130	1590	0.731	ug/l	85
45) 1,2-Dichloropropane	9.08	63	2040	0.716	ug/l	90
46) Dibromomethane	9.18	93	1277	0.795	ug/l #	74
47) Bromodichloromethane	9.37	83	2478	0.721	ug/l #	94
48) Methyl methacrylate	9.17	41	1985	0.658	ug/l #	90
49) 1,4-Dioxane	9.16	88	706	16.083	ug/l #	57
51) 4-Methyl-2-Pentanone	9.95	43	12382	3.372	ug/l	96
52) Toluene	10.13	92	4594	0.811	ug/l	97
53) t-1,3-Dichloropropene	10.35	75	2599	0.675	ug/l	89
54) cis-1,3-Dichloropropene	9.81	75	2781	0.655	ug/l	88
55) 1,1,2-Trichloroethane	10.54	97	1565	0.702	ug/l	91
56) Ethyl methacrylate	10.40	69	2256	0.606	ug/l #	92
57) 1,3-Dichloropropane	10.68	76	2999	0.728	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.67	63	2955	2.235	ug/l	98
59) 2-Hexanone	10.73	43	7944	2.980	ug/l	97
60) Dibromochloromethane	10.87	129	1738	0.719	ug/l	94
61) 1,2-Dibromoethane	10.98	107	1418	0.630	ug/l	94
64) Tetrachloroethene	10.60	164	1337	0.760	ug/l	91
65) Chlorobenzene	11.41	112	4676	0.812	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.48	131	1649	0.776	ug/l #	60
67) Ethyl Benzene	11.49	91	7940	0.734	ug/l	95
68) m/p-Xylenes	11.60	106	4921	1.286	ug/l	84
69) o-Xylene	11.92	106	2660	0.714	ug/l	99
70) Styrene	11.94	104	4070	0.661	ug/l	93
71) Bromoform	12.10	173	1019	0.654	ug/l #	93
73) Isopropylbenzene	12.23	105	6699	0.783	ug/l	99
74) N-amyl acetate	12.05	43	2629	0.631	ug/l #	76
75) 1,1,2,2-Tetrachloroethane	12.48	83	2652	0.922	ug/l #	91
76) 1,2,3-Trichloropropane	12.53	75	2257m	0.832	ug/l	
77) Bromobenzene	12.50	156	1663	0.855	ug/l	92
78) n-propylbenzene	12.57	91	7810	0.782	ug/l	100
79) 2-Chlorotoluene	12.65	91	5368	0.885	ug/l	92
80) 1,3,5-Trimethylbenzene	12.71	105	5054	0.721	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.27	75	733m	0.723	ug/l	
82) 4-Chlorotoluene	12.75	91	4720	0.767	ug/l	96
83) tert-Butylbenzene	12.97	119	4603	0.773	ug/l	98
84) 1,2,4-Trimethylbenzene	13.01	105	5202	0.746	ug/l	97
85) sec-Butylbenzene	13.15	105	5716	0.725	ug/l	97
86) p-Isopropyltoluene	13.26	119	4516	0.663	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2852	0.850	ug/l	88
88) 1,4-Dichlorobenzene	13.34	146	2893m	0.838	ug/l	
89) n-Butylbenzene	13.59	91	4236	0.705	ug/l	94
90) Hexachloroethane	13.85	117	1025	0.766	ug/l	95
91) 1,2-Dichlorobenzene	13.63	146	2641	0.814	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.25	75	359	0.684	ug/l #	49

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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	917	0.627	ug/l #	62
94) Hexachlorobutadiene	14.98	225	623	0.723	ug/l	85
95) Naphthalene	15.11	128	2508	0.608	ug/l #	82
96) 1,2,3-Trichlorobenzene	15.29	180	965	0.634	ug/l #	78

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

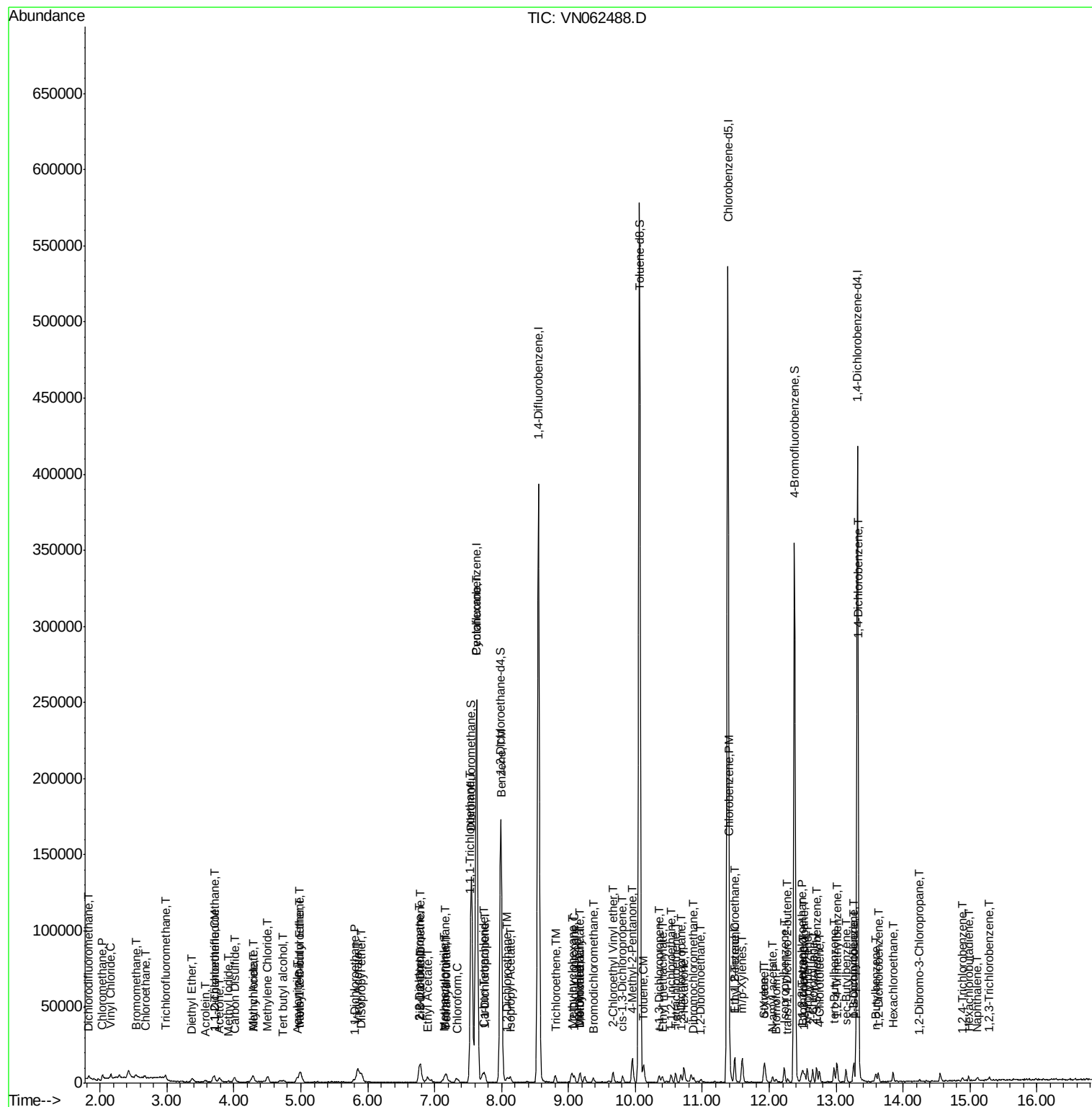
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN071020\
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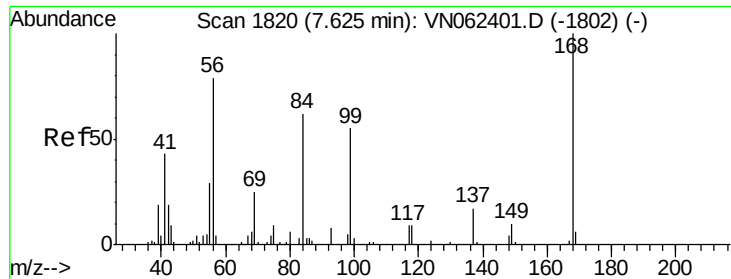
Instrument :
MSVOA_N
ClientSampleId :
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Quant Title : SW846 8260
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:168 Resp: 189700

Ion Ratio Lower Upper

168 100

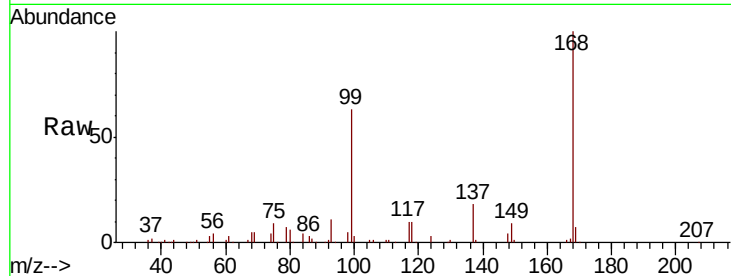
99 62.3 48.8 73.2

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

80000

60000

40000

20000

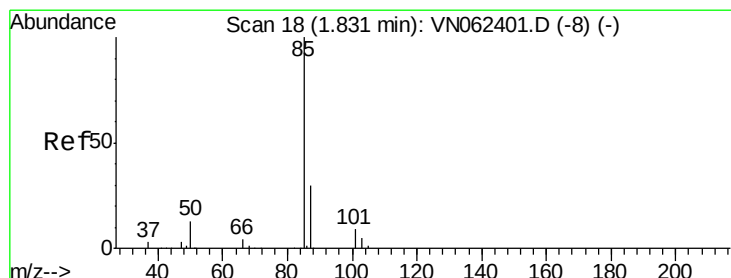
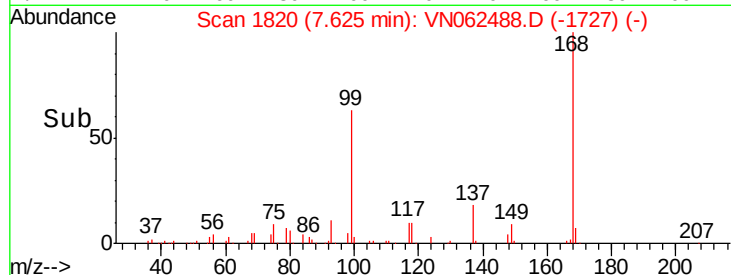
0

7.50

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 0.747 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN062488.D

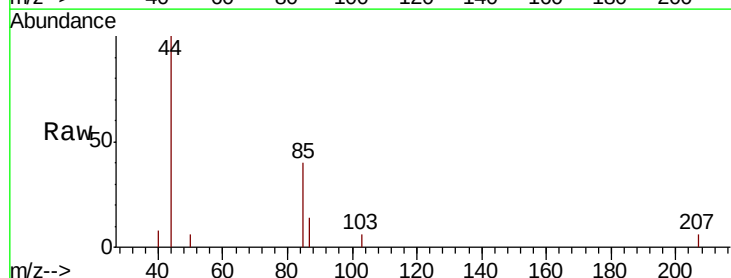
Acq: 10 Jul 2020 13:06

Tgt Ion: 85 Resp: 1444

Ion Ratio Lower Upper

85 100

87 34.6 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1200

1000

800

600

400

200

0

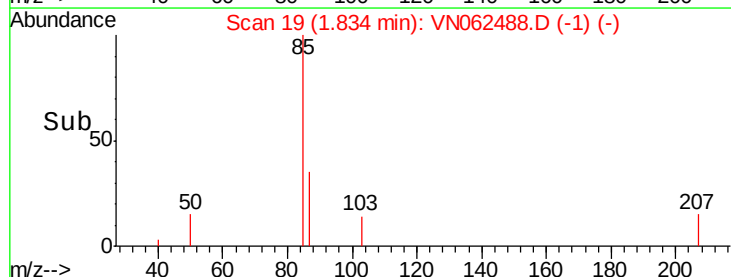
1.80

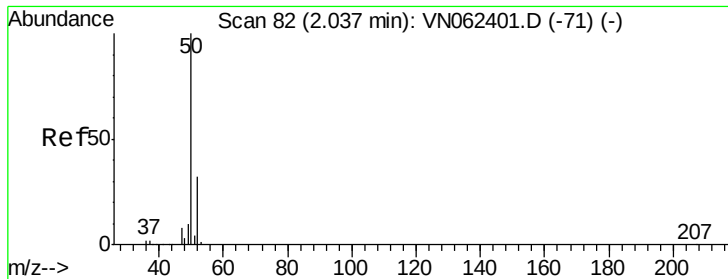
1.82

1.84

1.86

Time-->





#3

Chloromethane

Concen: 0.849 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 50 Resp: 2631

Ion Ratio Lower Upper

50 100

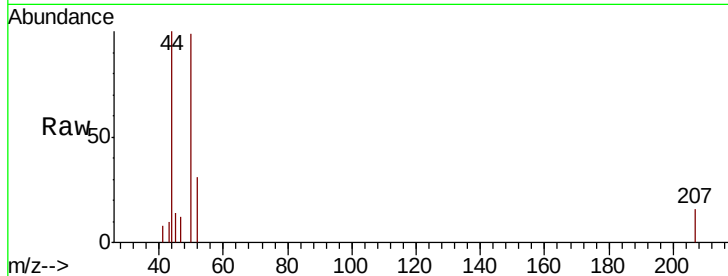
52 31.2 25.5 38.3

Manual Integrations

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Abundance Ion 49.90 (49.60 to 50.60): VN062401.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN062401.D (-71) (-)

2000

1500

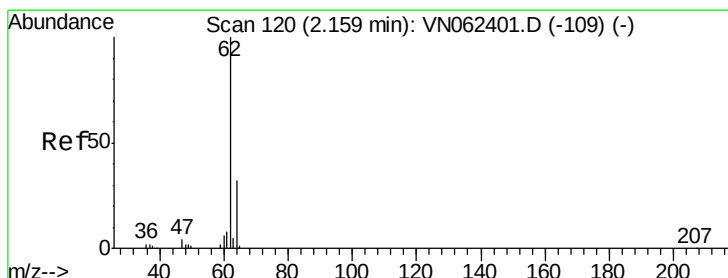
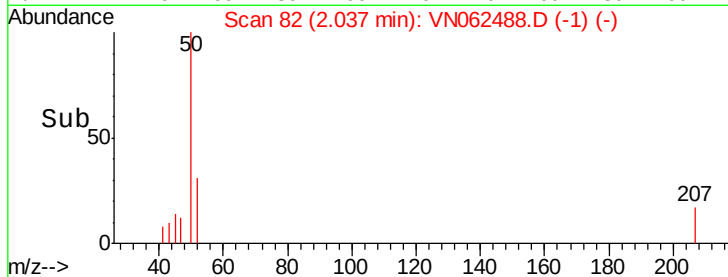
1000

500

0

2.00 2.02 2.04 2.06 2.08

Time-->



#4

Vinyl Chloride

Concen: 0.774 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062488.D

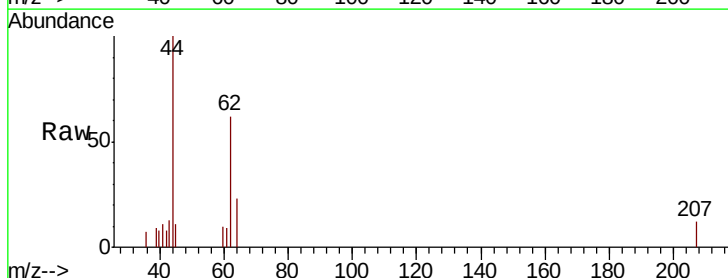
Acq: 10 Jul 2020 13:06

Tgt Ion: 62 Resp: 1966

Ion Ratio Lower Upper

62 100

64 37.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN062401.D (-109) (-)

Ion 63.90 (63.60 to 64.60): VN062401.D (-109) (-)

1500

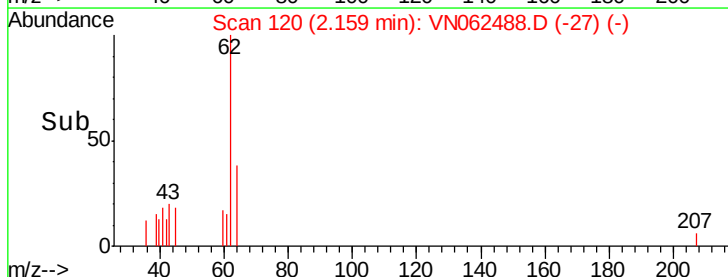
1000

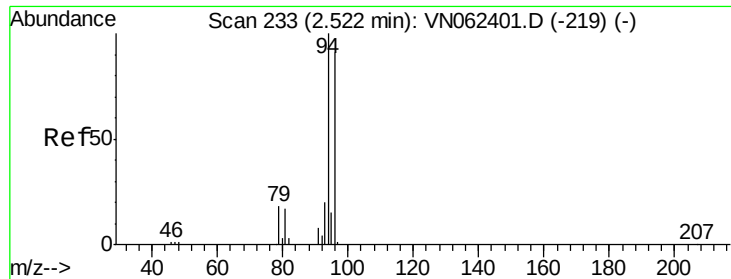
500

0

2.15 2.20

Time-->





#5

Bromomethane

Concen: 1.041 ug/l

RT: 2.53 min Scan# 236

Delta R.T. 0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

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MDL-WATER-03-QT3-2020DL

Tot Ion: 94 Resp: 1420

Ion Ratio Lower Upper

94 100

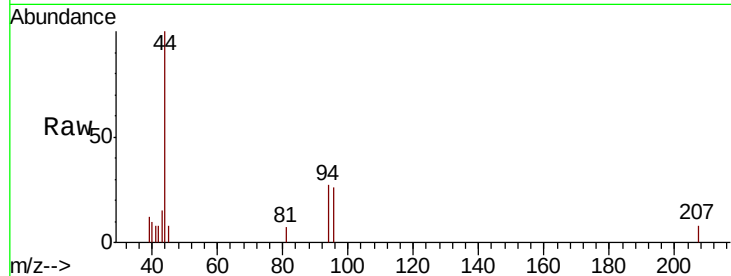
96 97.0 73.2 109.8

Manual Integrations

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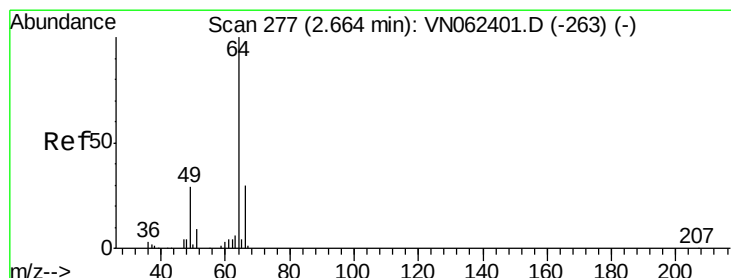
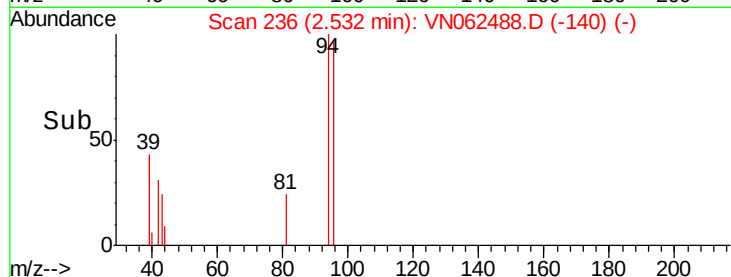
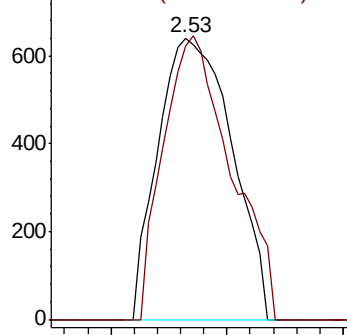
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.916 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062488.D

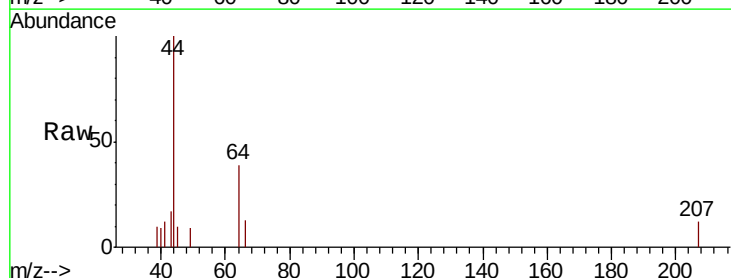
Acq: 10 Jul 2020 13:06

Tgt Ion: 64 Resp: 1355

Ion Ratio Lower Upper

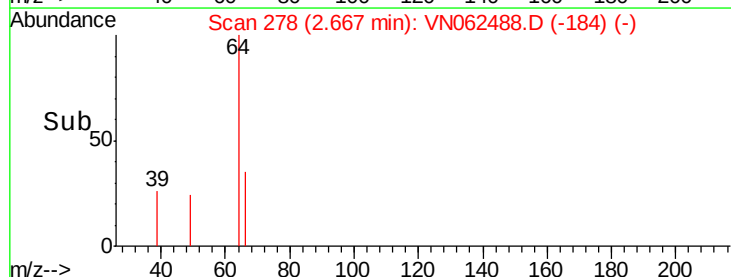
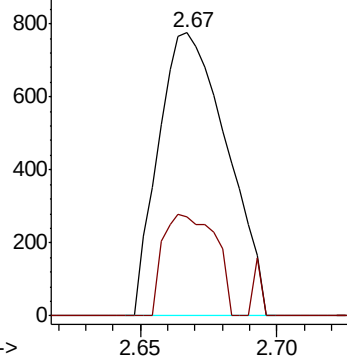
64 100

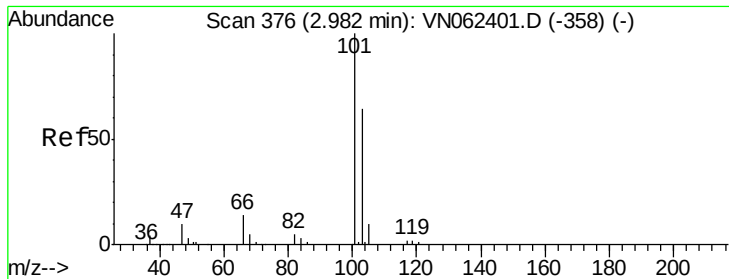
66 34.8 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

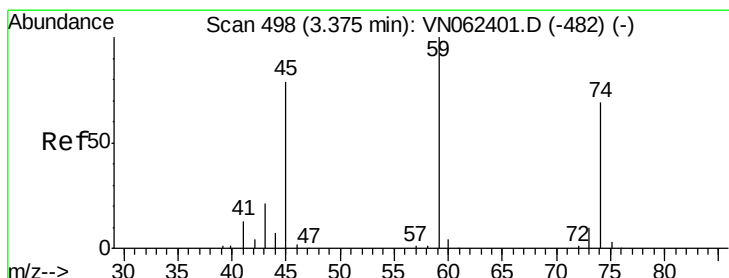
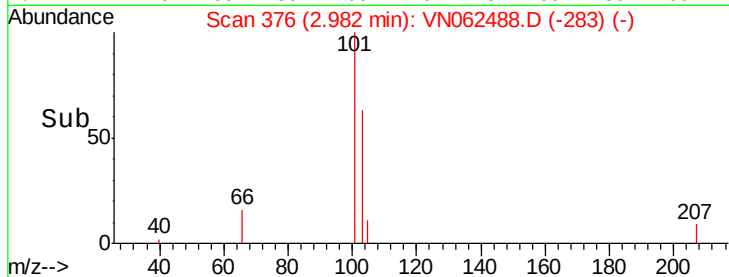
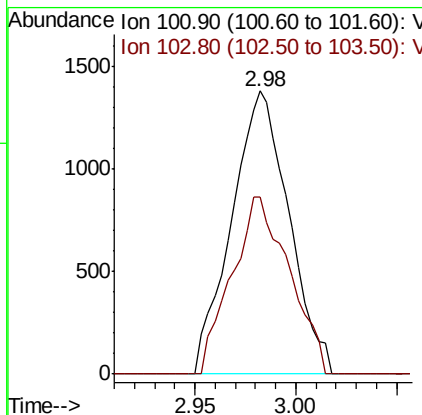
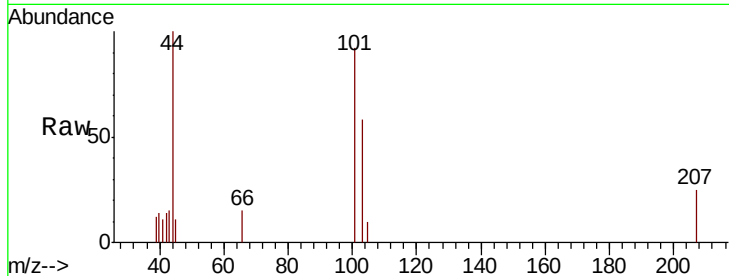
Trichlorofluoromethane
Concen: 0.846 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Instrument :
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Tot Ion:101 Resp: 2729
Ion Ratio Lower Upper
101 100
103 62.6 51.6 77.4

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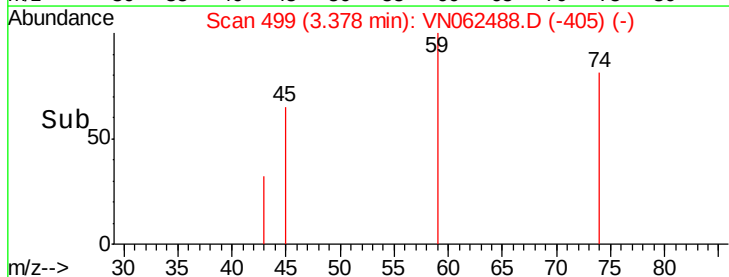
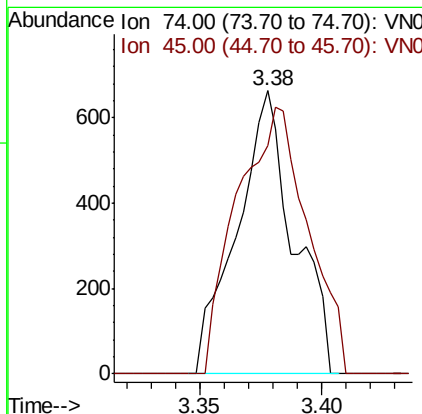
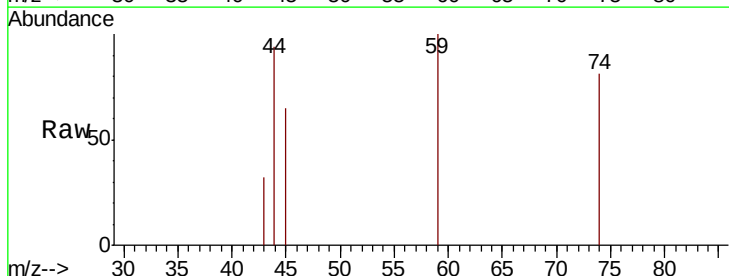
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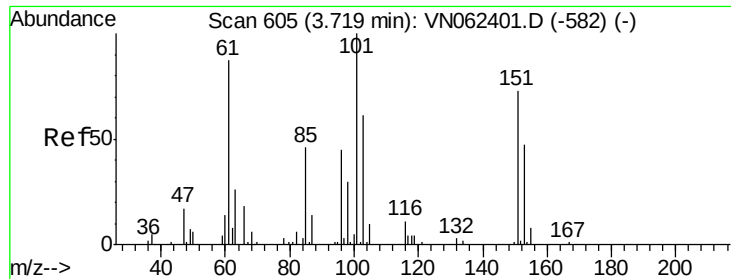


#8

Diethyl Ether
Concen: 0.738 ug/l
RT: 3.38 min Scan# 499
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 74 Resp: 1064
Ion Ratio Lower Upper
74 100
45 118.6 58.5 175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.695 ug/l

RT: 3.71 min Scan# 603

Delta R.T. -0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

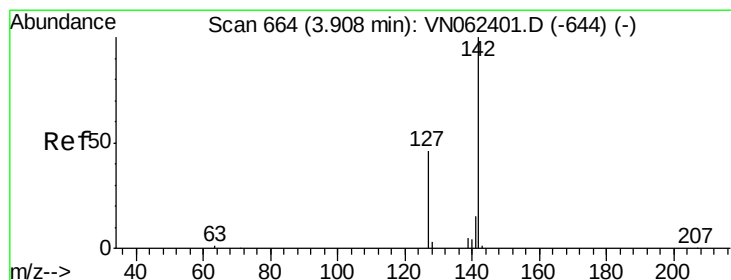
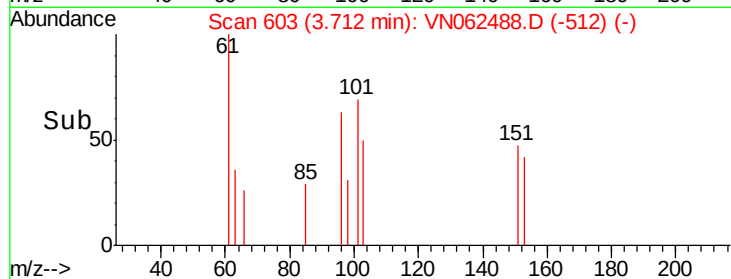
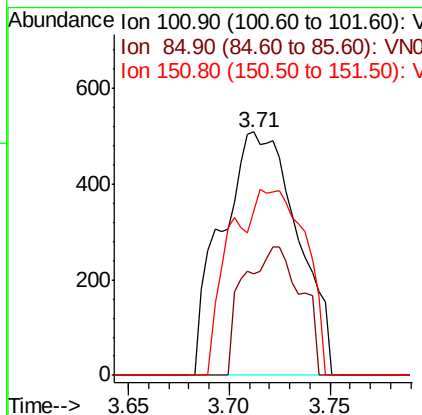
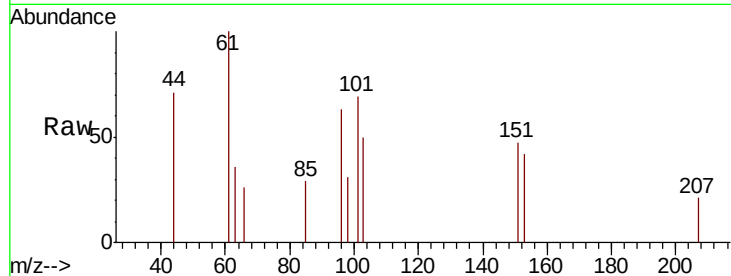
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	101	Resp:	1329
Ion Ratio	Lower	Upper	
101	100		
85	40.0	36.7	55.1
151	52.3	58.3	87.5#

Manual Integrations
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#10

Methyl Iodide

Concen: 0.455 ug/l

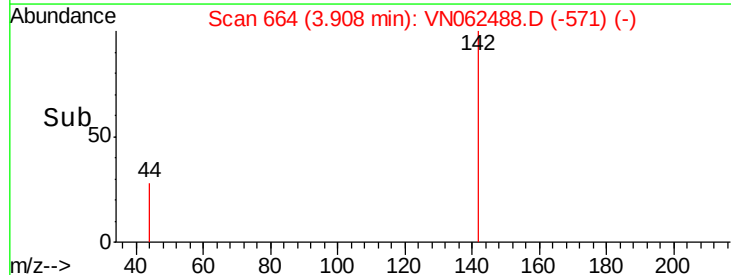
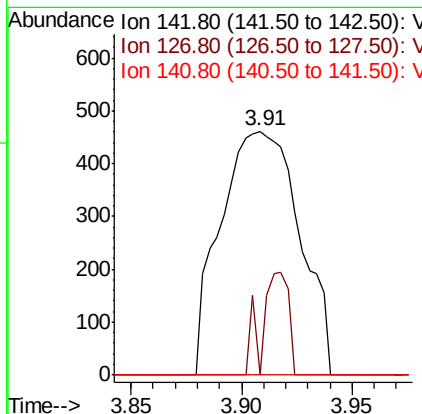
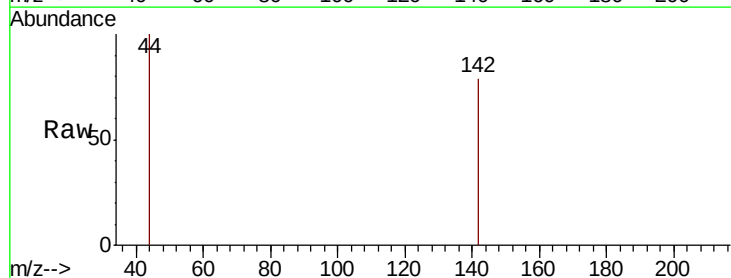
RT: 3.91 min Scan# 664

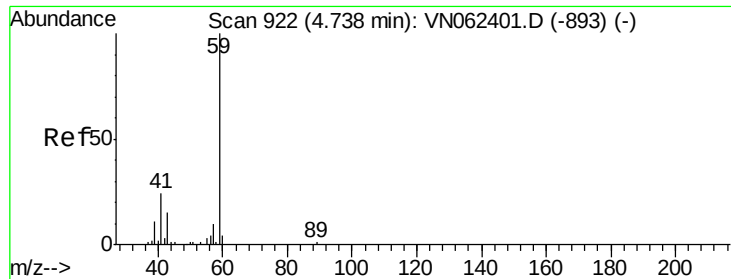
Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	142	Resp:	1148
Ion Ratio	Lower	Upper	
142	100		
127	14.3	36.1	54.1#
141	0.0	11.4	17.0#





#11

Tert butyl alcohol

Concen: 3.607 ug/l m

RT: 4.74 min Scan# 922

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 59 Resp: 1746

Ion Ratio Lower Upper

59 100

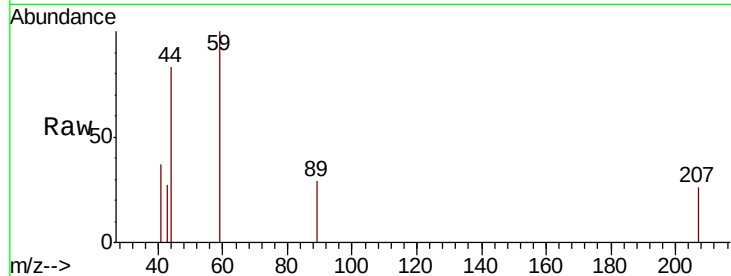
57 0.0 7.8 11.6#

Manual Integrations

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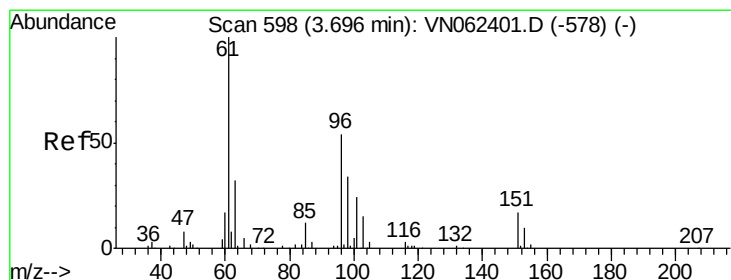
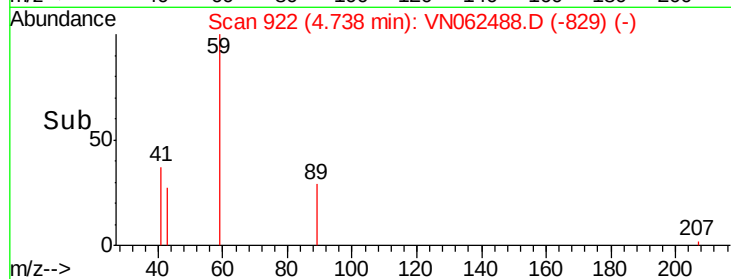
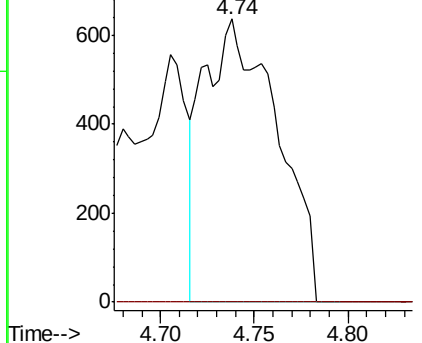
MMDadoda

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Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 0.829 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

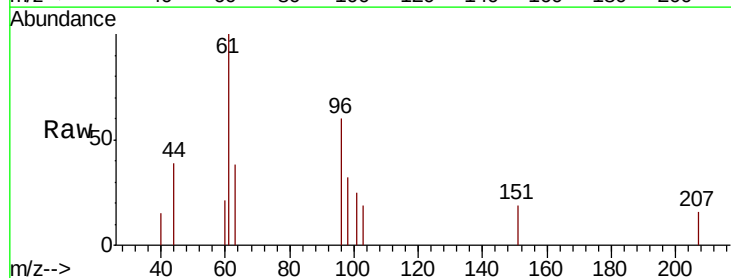
Tgt Ion: 96 Resp: 1615

Ion Ratio Lower Upper

96 100

61 167.5 147.4 221.0

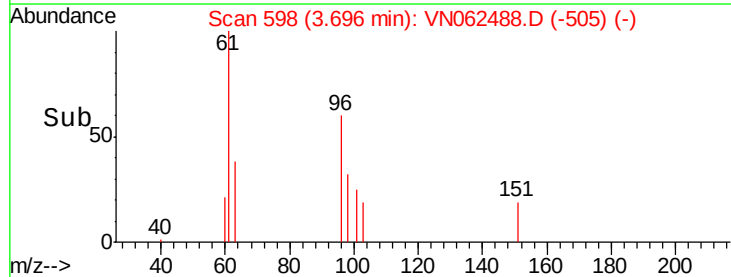
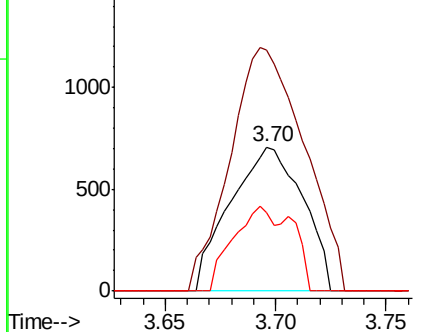
98 54.2 50.4 75.6

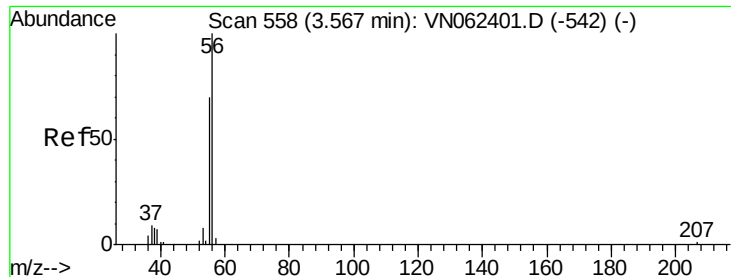


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 3.188 ug/l

RT: 3.57 min Scan# 559

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 56 Resp: 1113

Ion Ratio Lower Upper

56 100

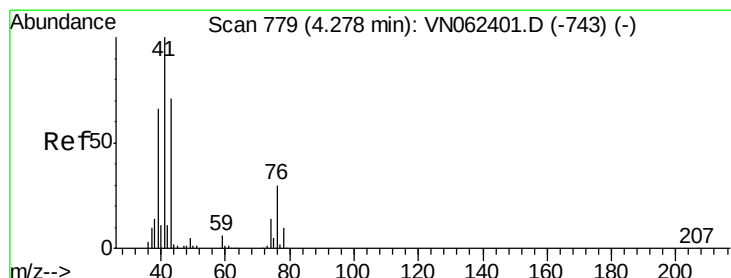
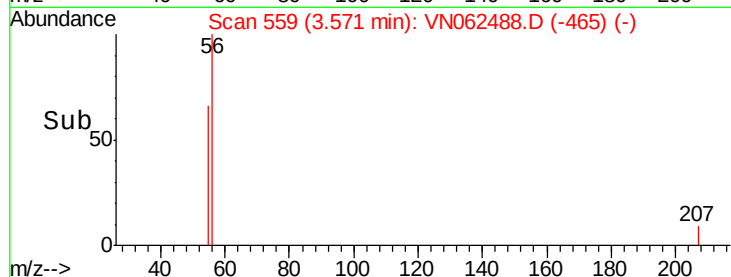
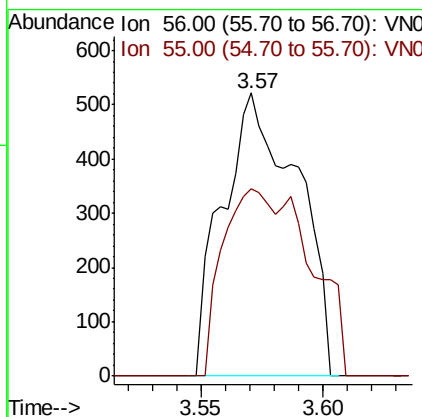
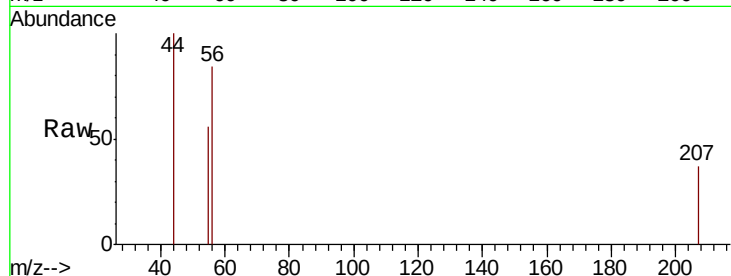
55 45.2 57.2 85.8#

Manual Integrations

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#14

Allyl chloride

Concen: 0.668 ug/l

RT: 4.28 min Scan# 780

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

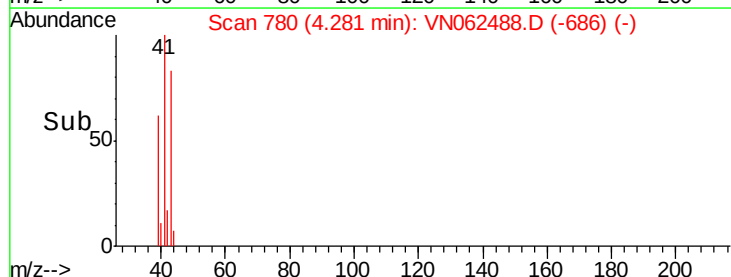
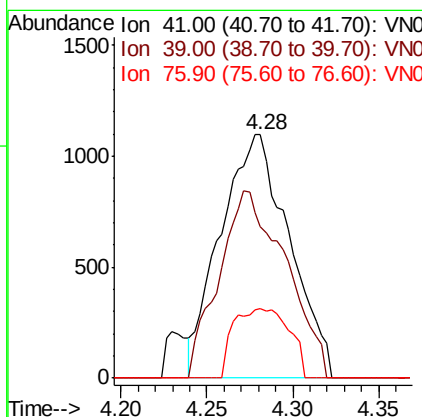
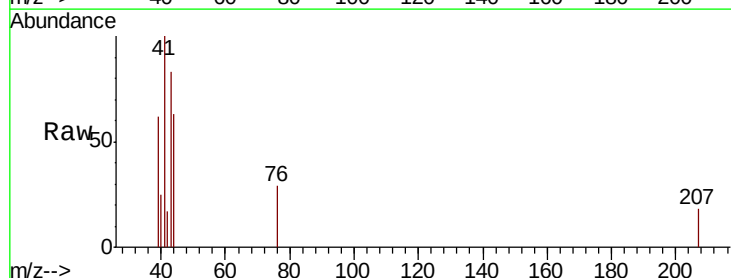
Tgt Ion: 41 Resp: 3059

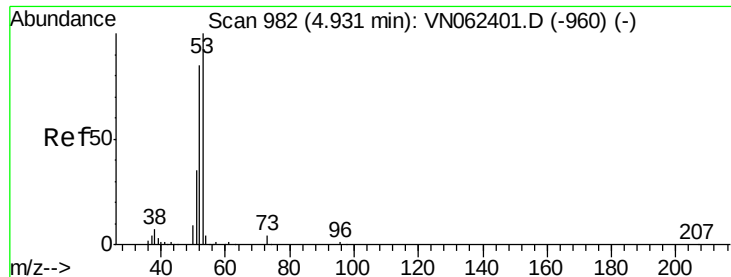
Ion Ratio Lower Upper

41 100

39 74.5 49.6 74.4#

76 23.0 22.2 33.4





#15

Acrylonitrile

Concen: 3.409 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

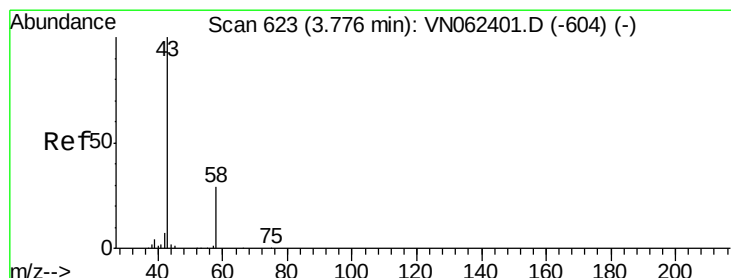
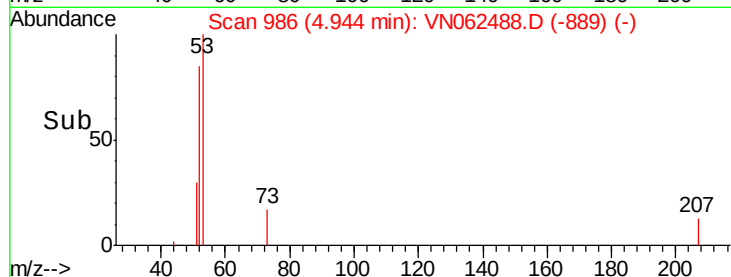
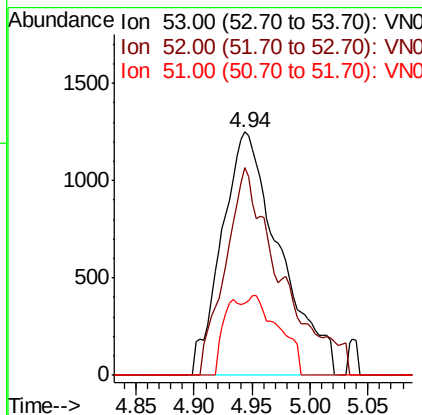
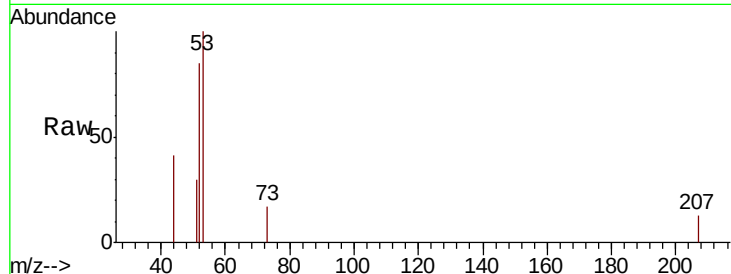
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	53	Resp:	4328
Ion	Ratio	Lower	Upper
53	100		
52	81.9	66.2	99.4
51	9.9	28.7	43.1#

Manual Integrations
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#16

Acetone

Concen: 4.068 ug/l

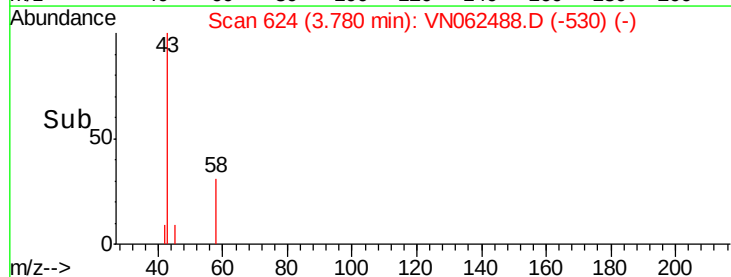
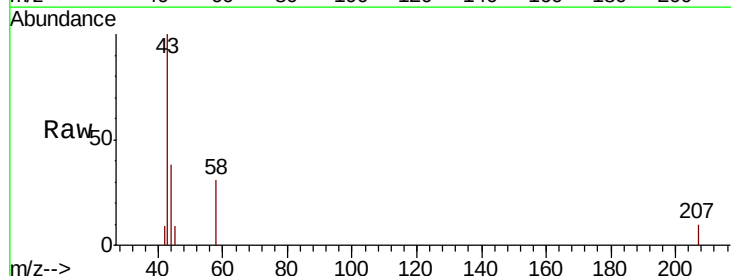
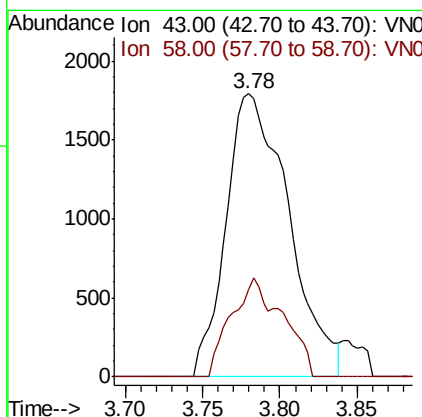
RT: 3.78 min Scan# 624

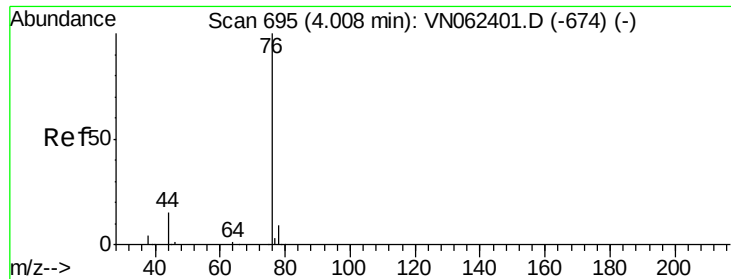
Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	43	Resp:	5039
Ion	Ratio	Lower	Upper
43	100		
58	31.1	23.5	35.3





#17

Carbon Disulfide

Concen: 0.955 ug/l

RT: 4.01 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 76 Resp: 5827

Ion Ratio Lower Upper

76 100

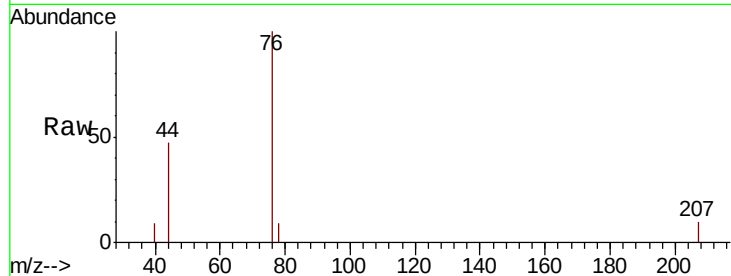
78 8.6 7.3 10.9

Manual Integrations

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Abundance Ion 75.90 (75.60 to 76.60): VN062401.D (-674) (-)

Ion 77.90 (77.60 to 78.60): VN062401.D (-674) (-)

2500

2000

1500

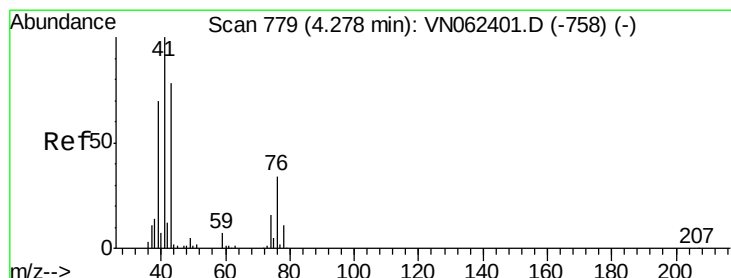
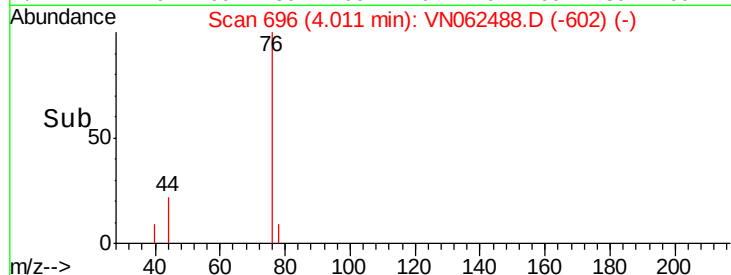
1000

500

0

3.95 4.00 4.05

Time-->



#18

Methyl Acetate

Concen: 1.060 ug/l m

RT: 4.30 min Scan# 785

Delta R.T. 0.02 min

Lab File: VN062488.D

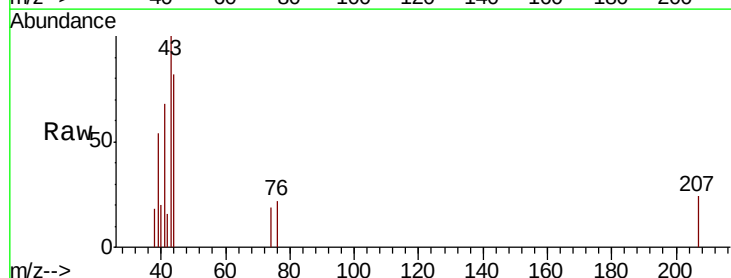
Acq: 10 Jul 2020 13:06

Tgt Ion: 43 Resp: 3276

Ion Ratio Lower Upper

43 100

74 6.6 16.0 24.0#



Abundance Ion 43.00 (42.70 to 43.70): VN062488.D (-686) (-)

Ion 74.00 (73.70 to 74.70): VN062488.D (-686) (-)

1000

800

600

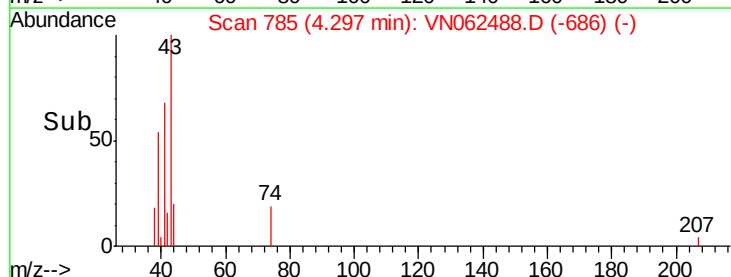
400

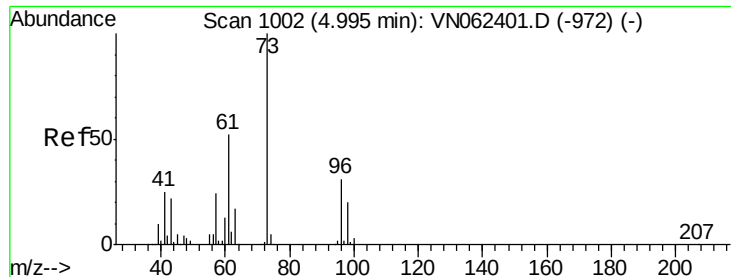
200

0

4.20 4.25 4.30 4.35

Time-->





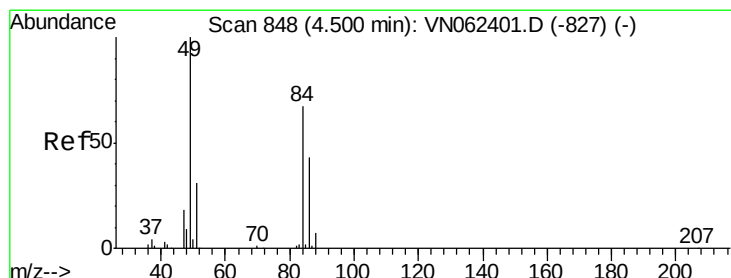
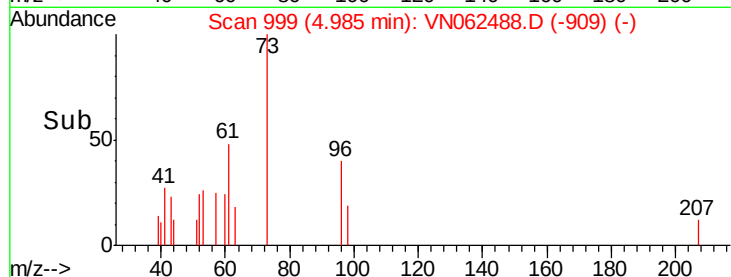
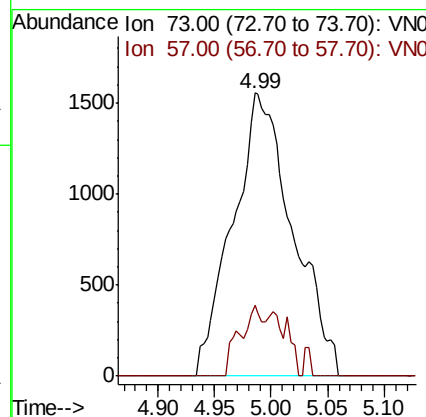
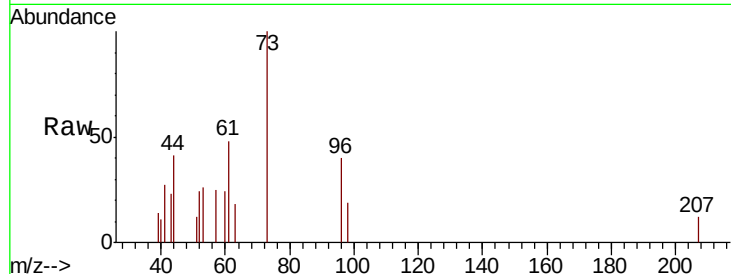
#19
Methvl tert-butyl Ether
Concen: 0.774 ug/l
RT: 4.99 min Scan# 999
Delta R.T. -0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 73 Resp: 5716
Ion Ratio Lower Upper
73 100
57 25.2 19.4 29.0

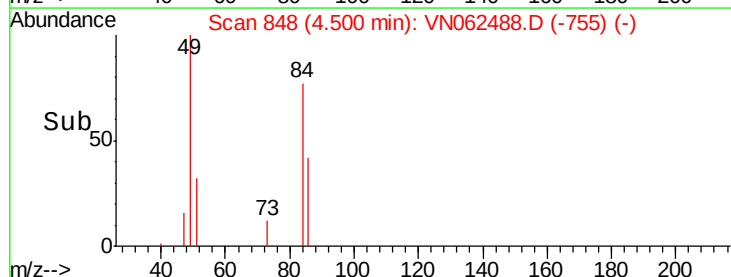
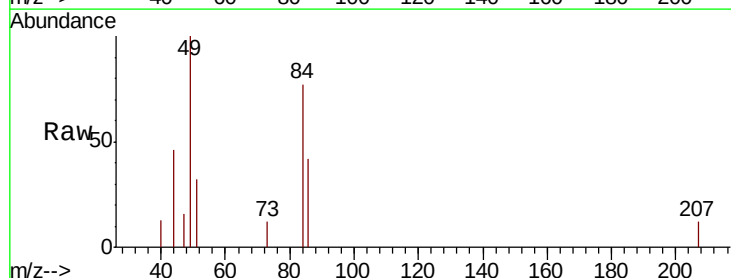
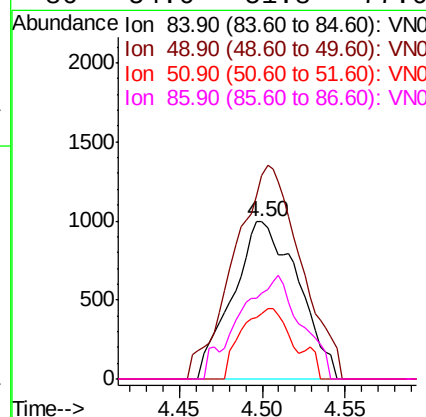
Manual Integrations
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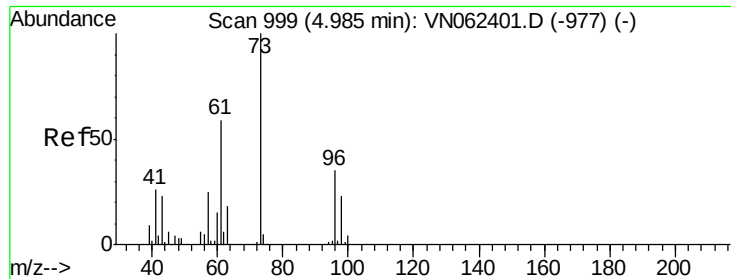
MMDadoda
7/13/2020 11:19:09 AM



#20
Methylene Chloride
Concen: 1.030 ug/l
RT: 4.50 min Scan# 848
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 84 Resp: 2728
Ion Ratio Lower Upper
84 100
49 129.3 120.0 180.0
51 41.1 37.0 55.6
86 54.6 51.8 77.6





#21

trans-1,2-Dichloroethene

Concen: 0.817 ug/l m

RT: 4.99 min Scan# 999

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

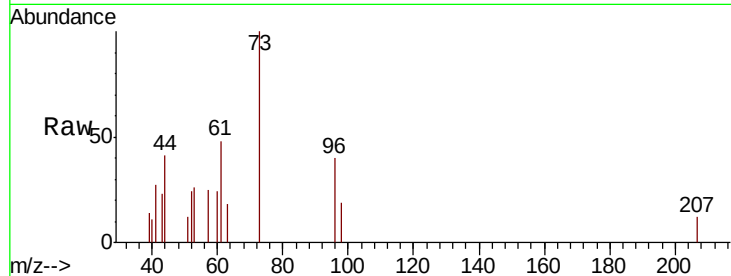
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	96	Resp:	1724
Ion	Ratio	Lower	Upper
96	100		
61	118.4	133.5	200.3#
98	46.6	51.9	77.9#

Manual Integrations
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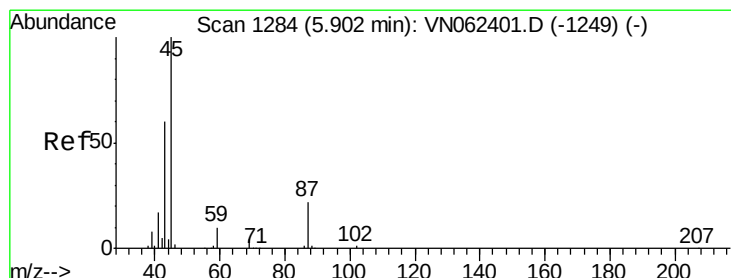
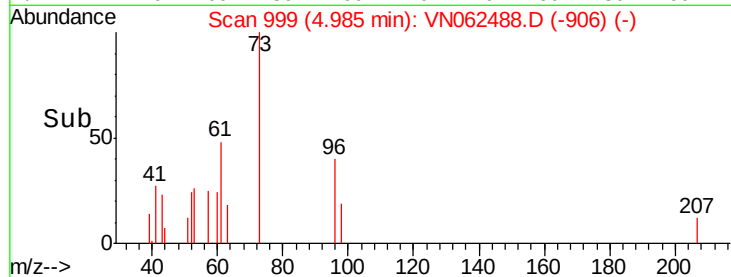
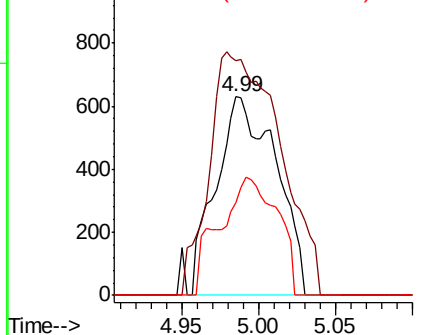


Abundance

Ion 95.90 (95.60 to 96.60): VNC

Ion 60.90 (60.60 to 61.60): VNC

Ion 97.90 (97.60 to 98.60): VNC



#22

Diisopropyl ether

Concen: 0.738 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	45	Resp:	6679
Ion	Ratio	Lower	Upper
45	100		
43	90.7	50.1	75.1#
87	29.9	18.2	27.4#
59	15.5	8.2	12.2#

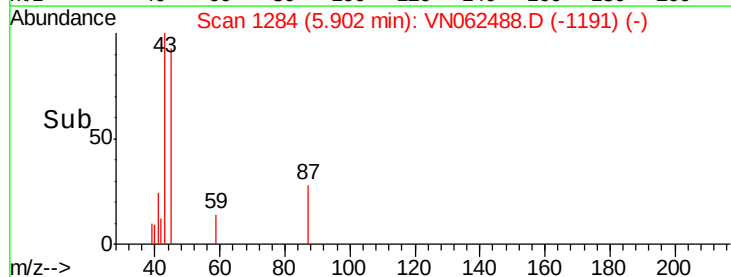
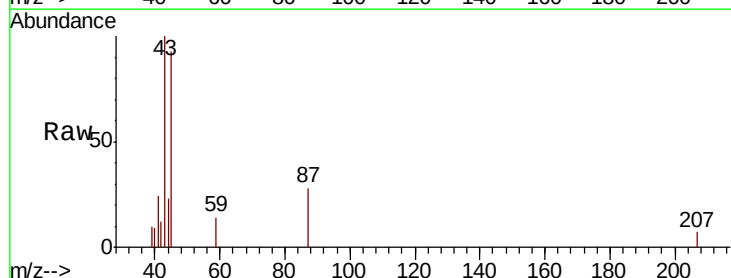
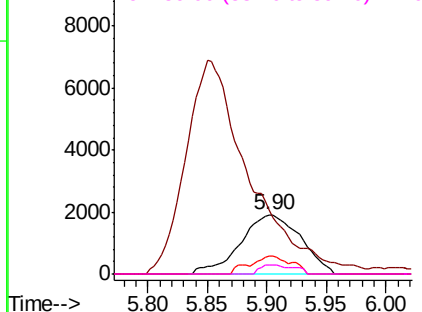
Abundance

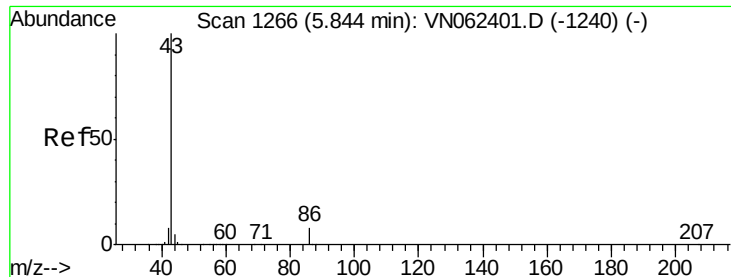
Ion 45.00 (44.70 to 45.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 87.00 (86.70 to 87.70): VNC

Ion 59.00 (58.70 to 59.70): VNC





#23

Vinyl Acetate

Concen: 3.429 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 43 Resp: 25701

Ion Ratio Lower Upper

43 100

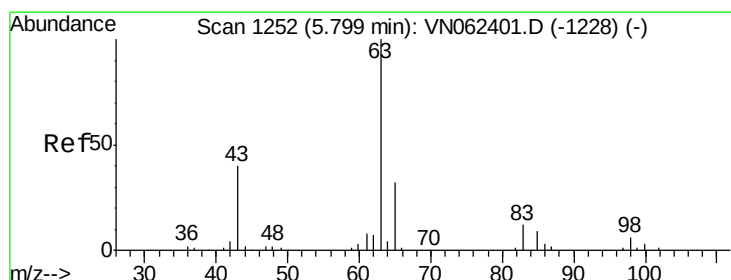
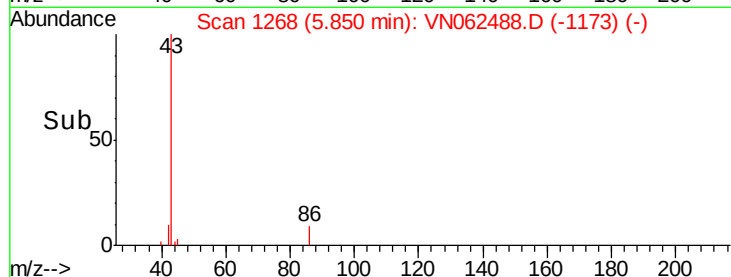
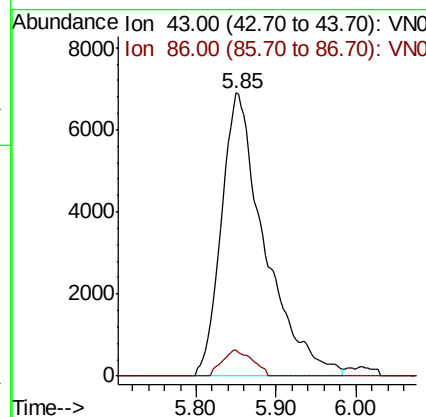
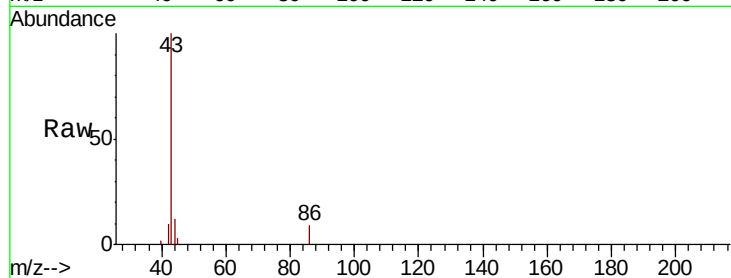
86 9.3 6.7 10.1

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#24

1,1-Dichloroethane

Concen: 0.774 ug/l

RT: 5.79 min Scan# 1250

Delta R.T. -0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

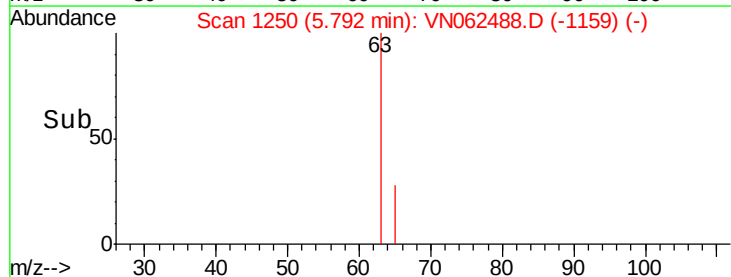
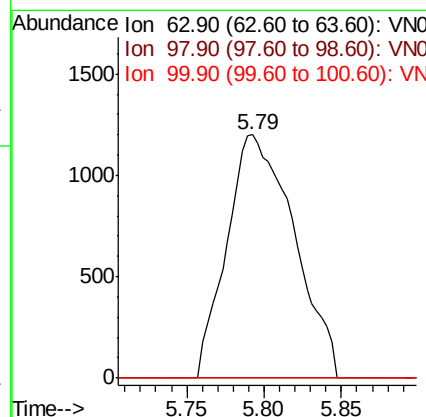
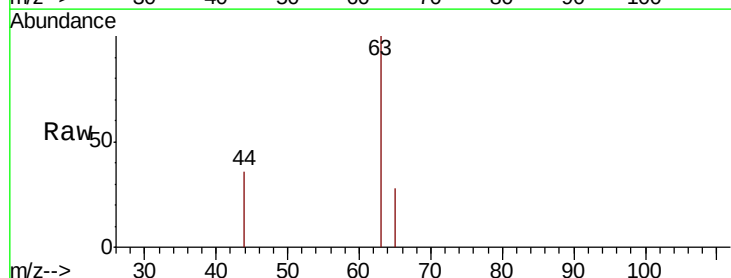
Tgt Ion: 63 Resp: 3617

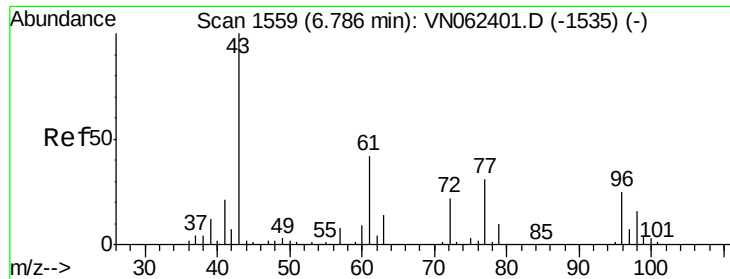
Ion Ratio Lower Upper

63 100

98 0.0 2.9 8.8#

100 0.0 1.8 5.3#





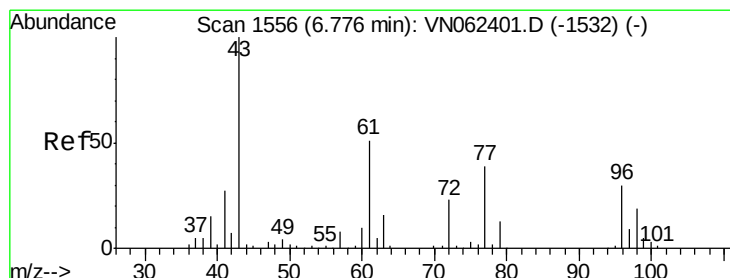
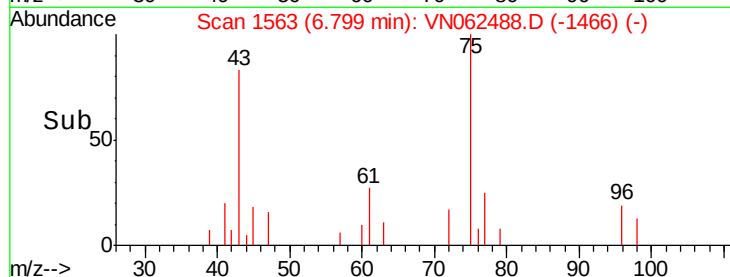
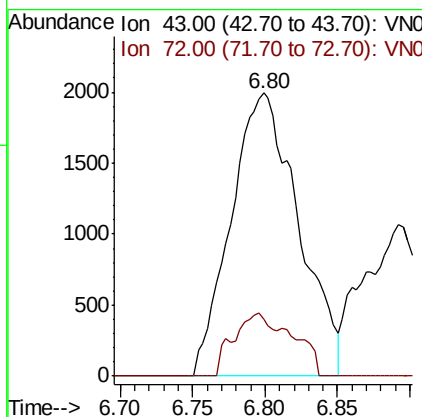
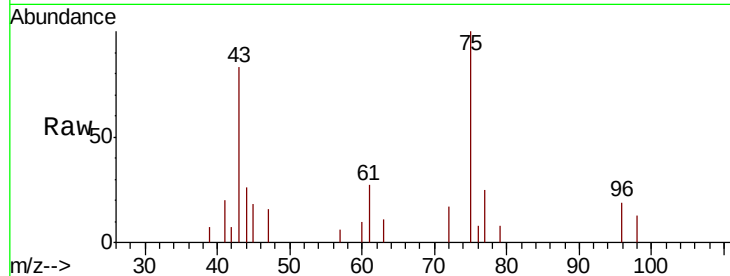
#25
2-Butanone
Concen: 3.566 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 43 Resp: 6452
Ion Ratio Lower Upper
43 100
72 20.0 17.9 26.9

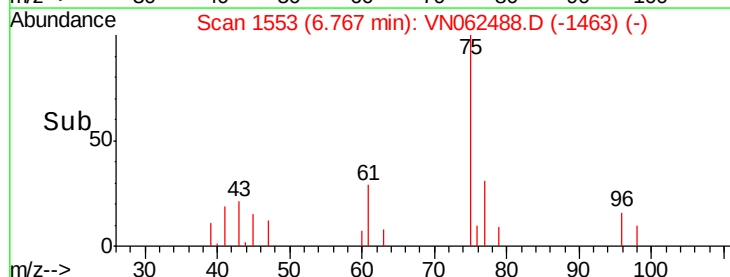
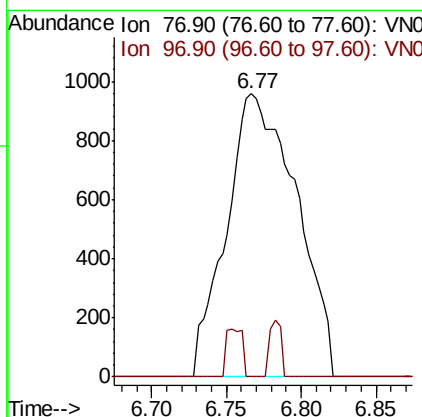
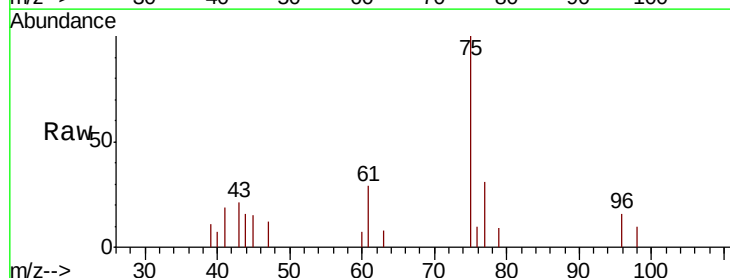
Manual Integrations
APPROVED

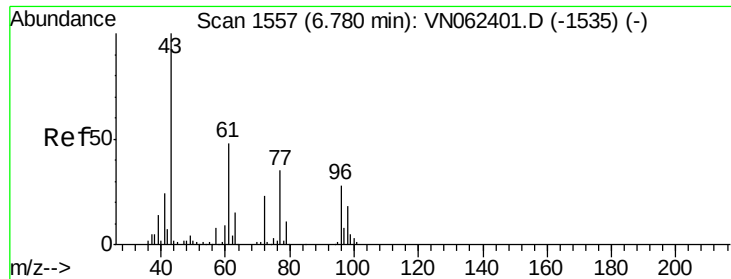
MMDadoda
7/13/2020 11:19:09 AM



#26
2,2-Dichloropropane
Concen: 0.870 ug/l
RT: 6.77 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 77 Resp: 3117
Ion Ratio Lower Upper
77 100
97 3.9 10.9 32.9#





#27

cis-1,2-Dichloroethene

Concen: 0.795 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

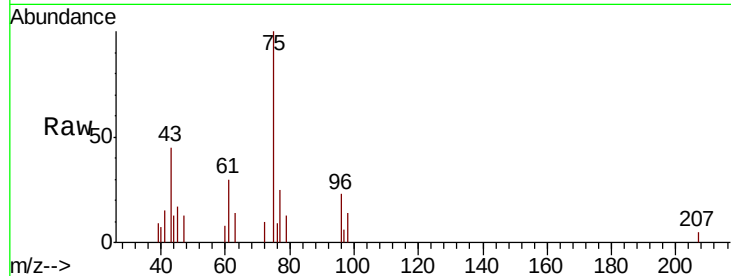
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	96	Resp:	1943
Ion	Ratio	Lower	Upper
96	100		
61	162.0	0.0	343.4
98	62.2	0.0	128.4

Manual Integrations
APPROVED

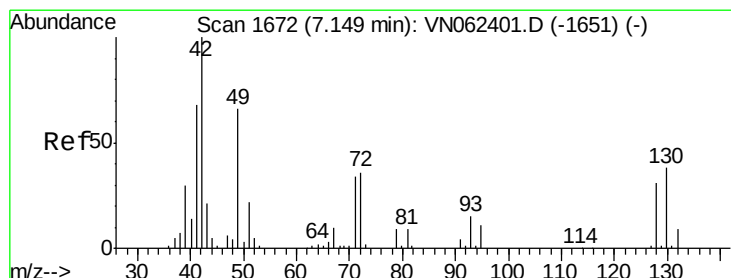
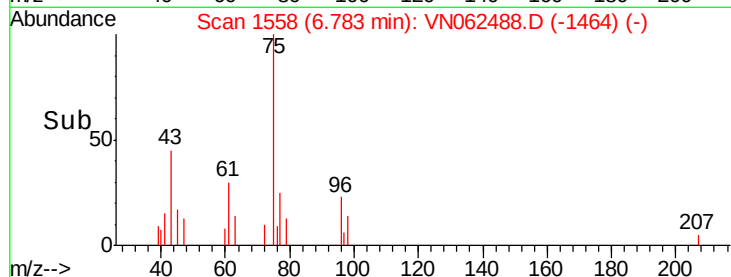
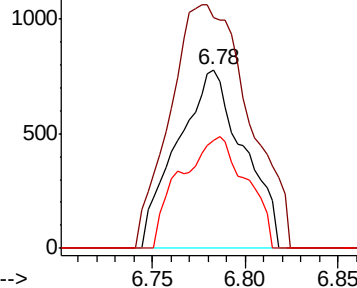
MMDadoda
7/13/2020 11:19:09 AM



Abundance Ion 95.90 (95.60 to 96.60): VN062488.D (-1535) (-)

Ion 60.90 (60.60 to 61.60): VN062488.D (-1535) (-)

Ion 97.90 (97.60 to 98.60): VN062488.D (-1535) (-)



#28

Bromochloromethane

Concen: 0.619 ug/l

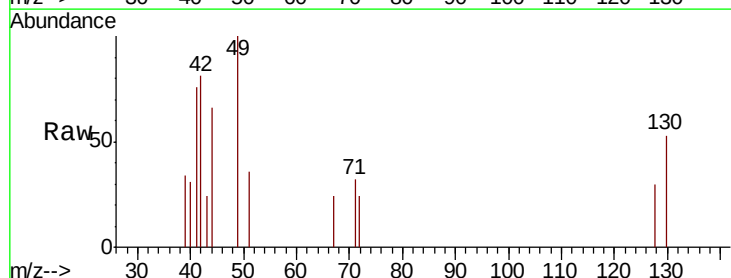
RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

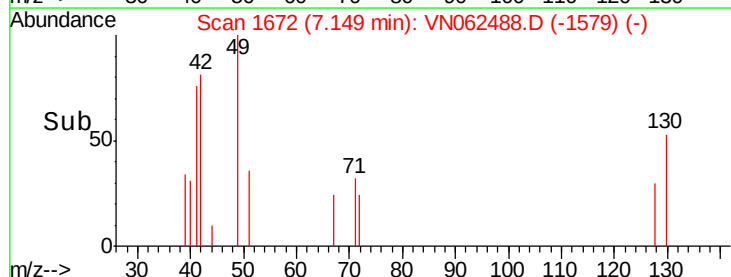
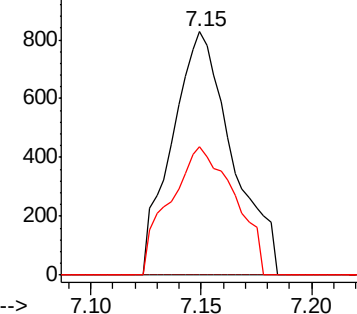
Tgt Ion:	49	Resp:	1573
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.8
130	56.3	46.5	69.7

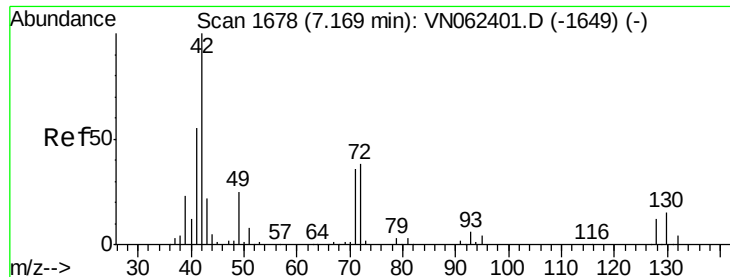


Abundance Ion 48.90 (48.60 to 49.60): VN062488.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062488.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062488.D (-1579) (-)





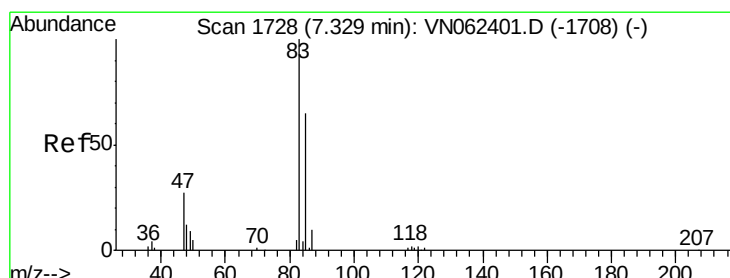
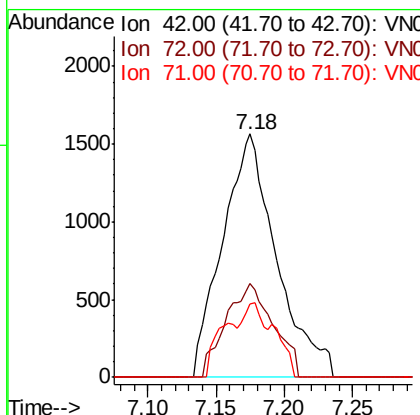
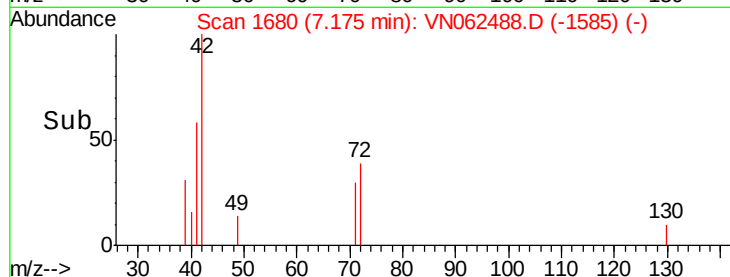
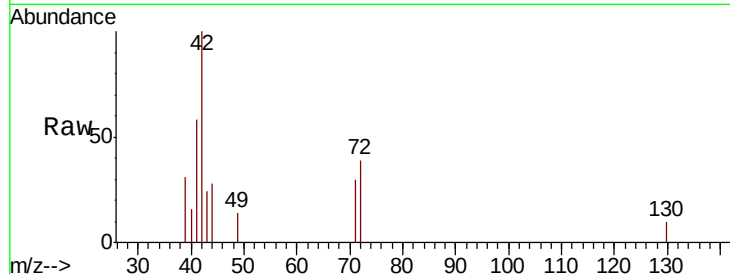
#29
Tetrahydrofuran
Concen: 3.528 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
42	100		
72	34.0	29.1	43.7
71	18.0	28.1	42.1

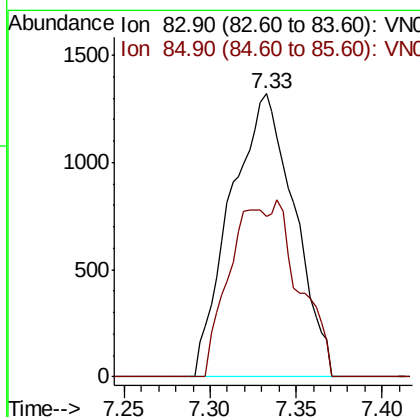
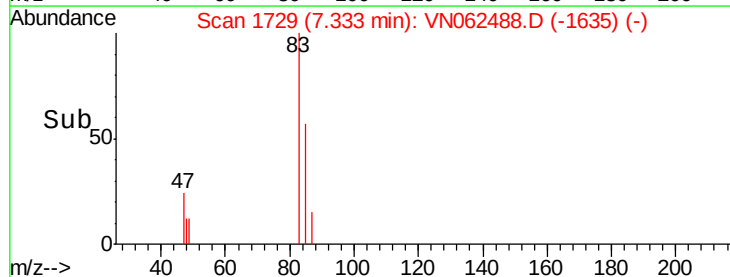
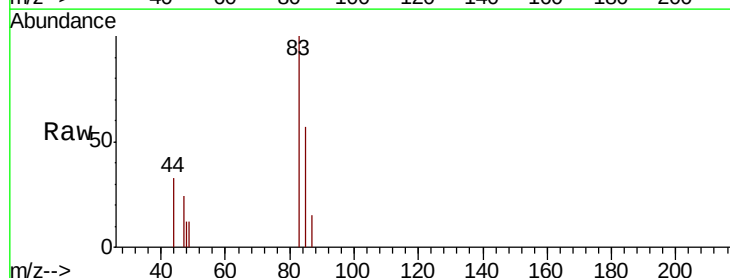
Manual Integrations
APPROVED

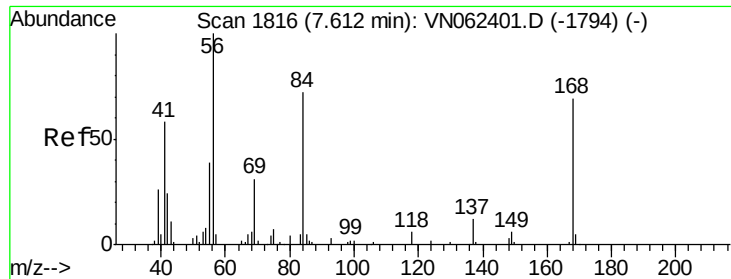
MMDadoda
7/13/2020 11:19:09 AM



#30
Chloroform
Concen: 0.806 ug/l
RT: 7.33 min Scan# 1729
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.7	51.8	77.6





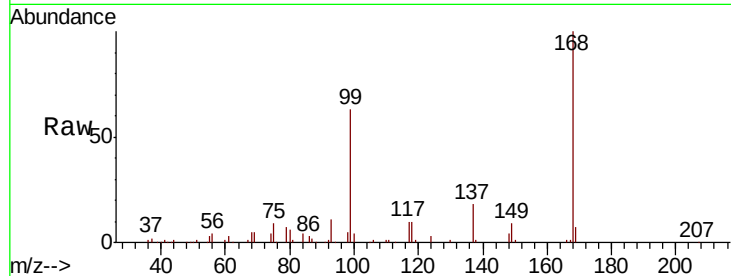
#31
Cyclohexane
Concen: 1.768 ug/l
RT: 7.62 min Scan# 1819
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
56	100		
69	127.5	24.5	36.7#
84	116.3	57.4	86.2#

Manual Integrations
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7/13/2020 11:19:09 AM

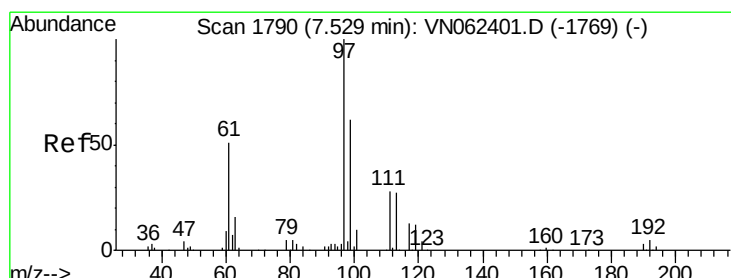
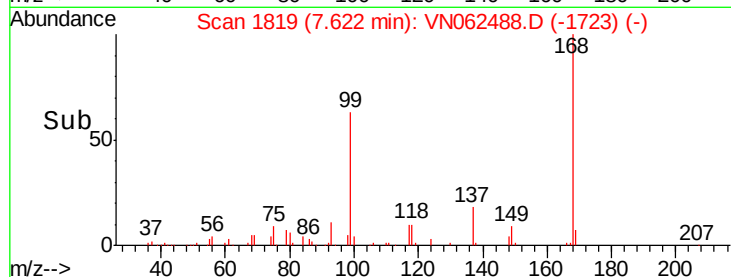
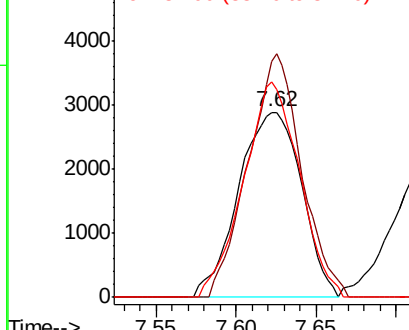


Abundance

Ion 56.00 (55.70 to 56.70): VN0

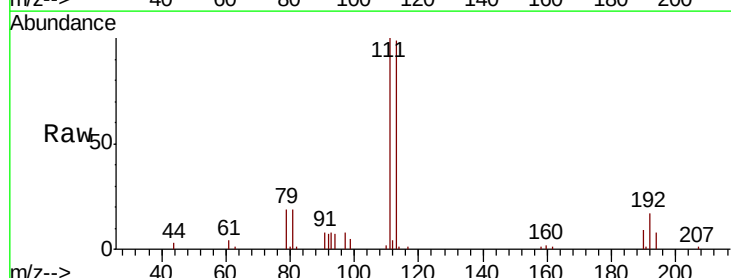
Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32
1,1,1-Trichloroethane
Concen: 0.779 ug/l
RT: 7.53 min Scan# 1789
Delta R.T. -0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
97	100		
99	0.0	50.4	75.6#
61	45.2	39.9	59.9

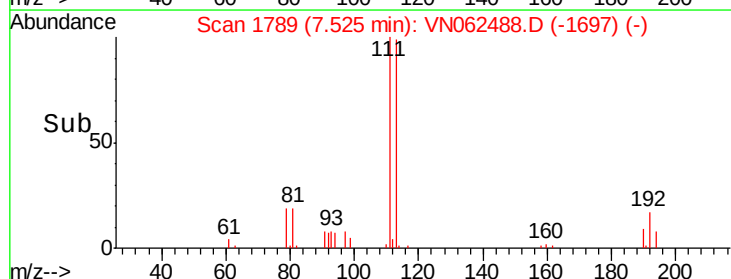
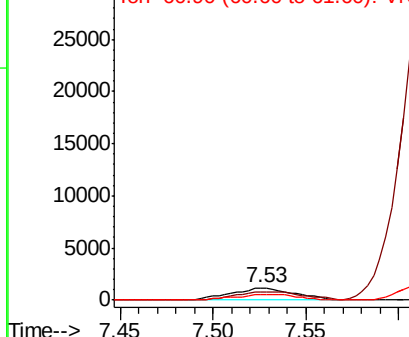


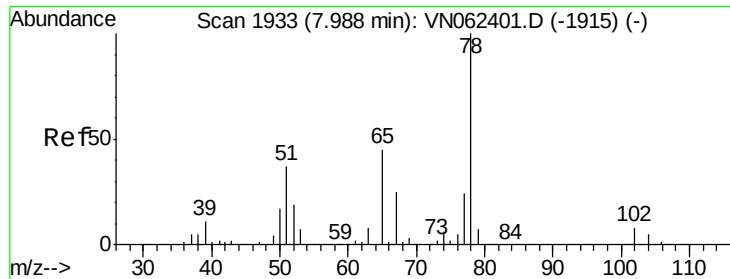
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





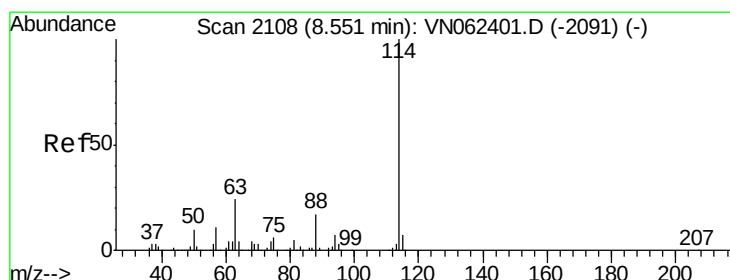
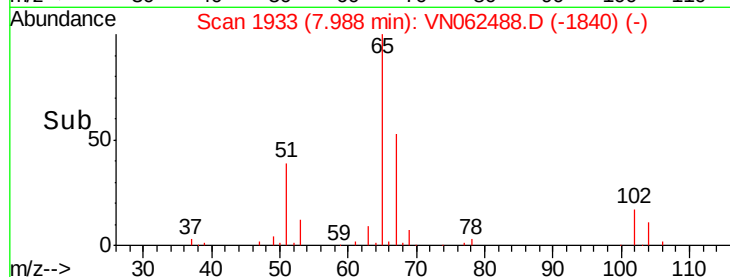
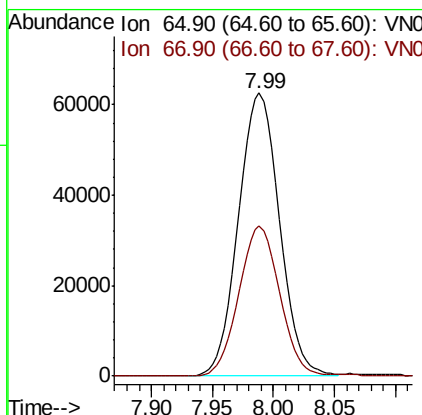
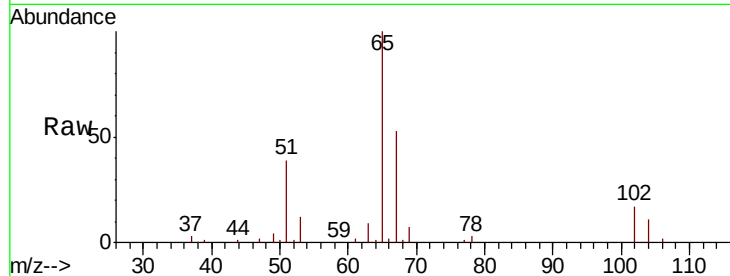
#33
 1,2-Dichloroethane-d4
 Concen: 50.073 ug/l
 RT: 7.99 min Scan# 1933
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Resp	Lower	Upper
65	100	146103		
67	52.7	0.0	107.6	

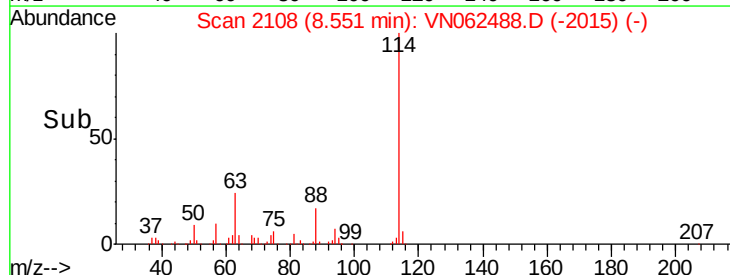
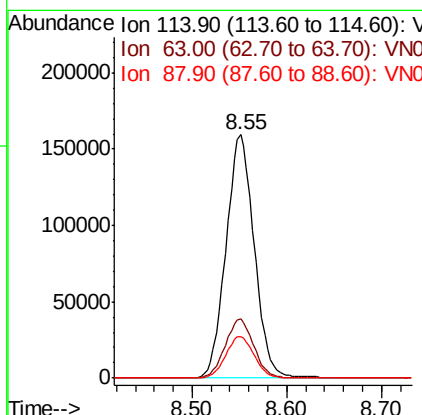
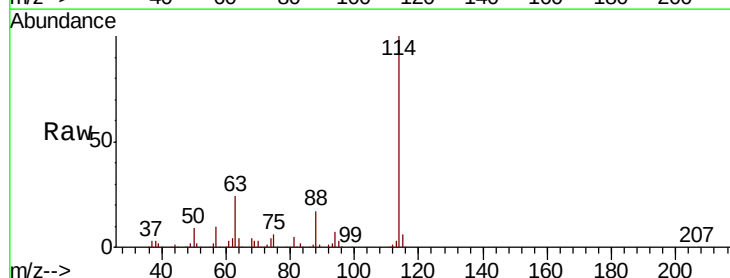
Manual Integrations
 APPROVED

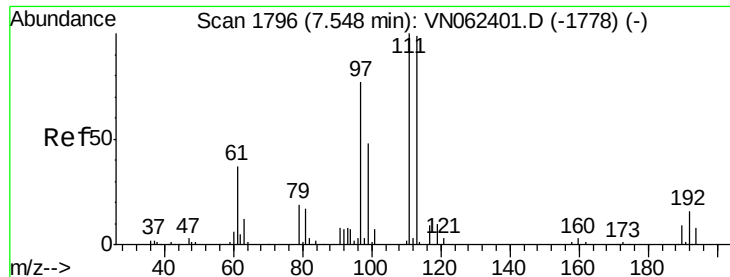
MMDadoda
 7/13/2020 11:19:09 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2108
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	330379		
63	24.3	0.0	48.4	
88	17.1	0.0	33.8	





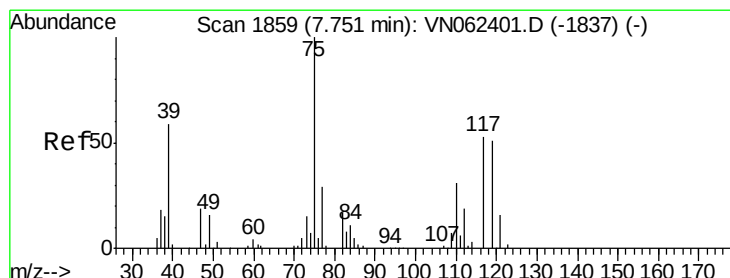
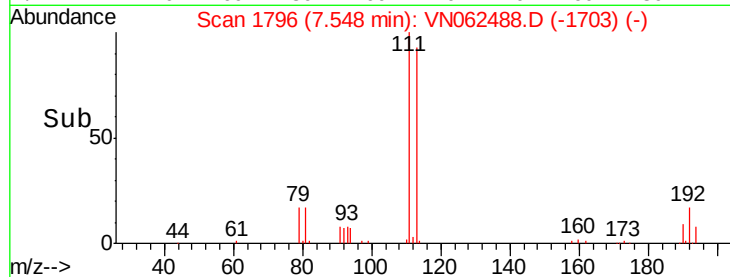
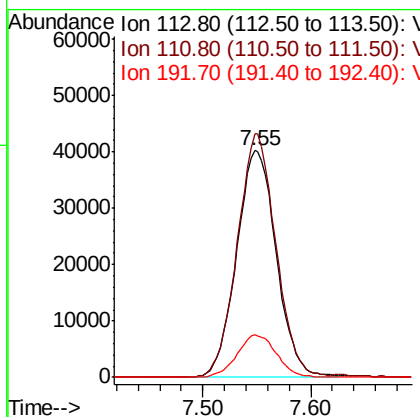
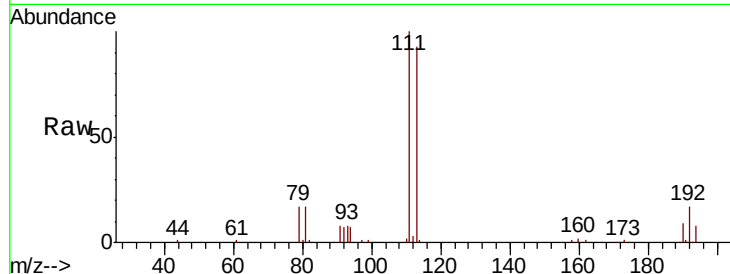
#35
 Dibromofluoromethane
 Concen: 50.489 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Resp	Lower	Upper
113	100	103109		
111	104.3	83.1	124.7	
192	18.4	14.1	21.1	

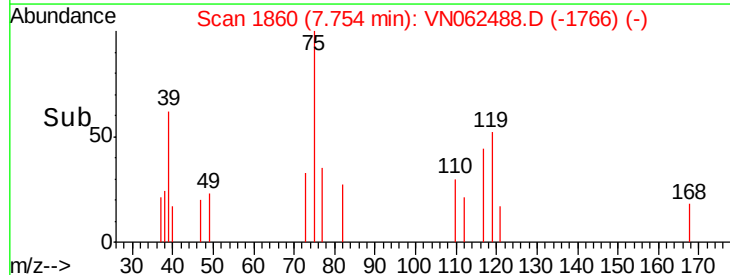
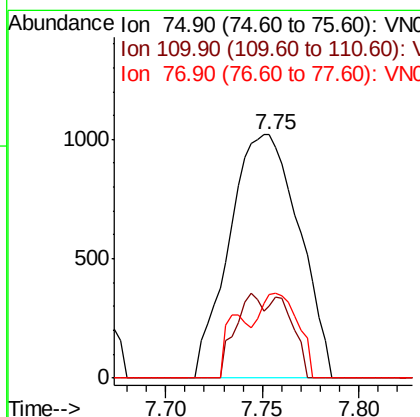
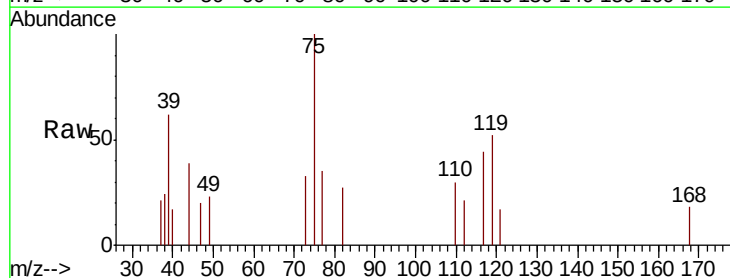
Manual Integrations
 APPROVED

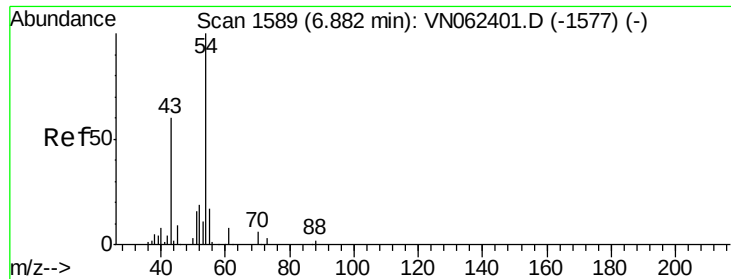
MMDadoda
 7/13/2020 11:19:09 AM



#36
 1,1-Dichloropropene
 Concen: 0.766 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	2551		
110	0.0	15.4	46.2#	
77	19.3	24.1	36.1#	





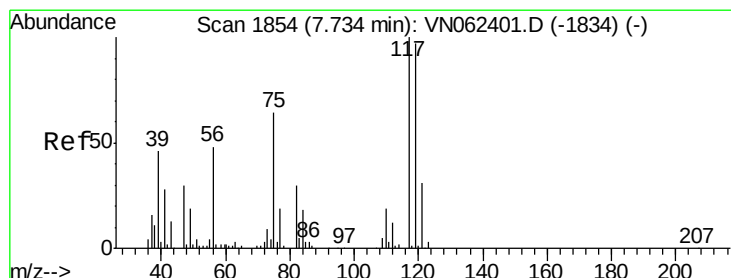
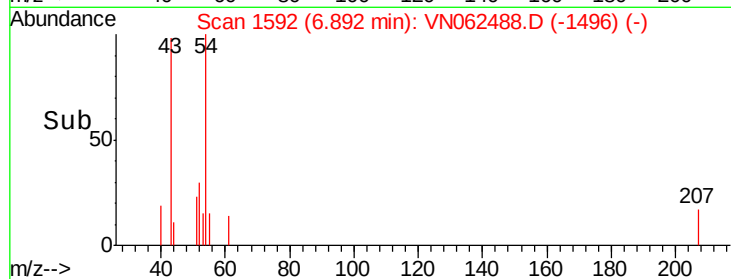
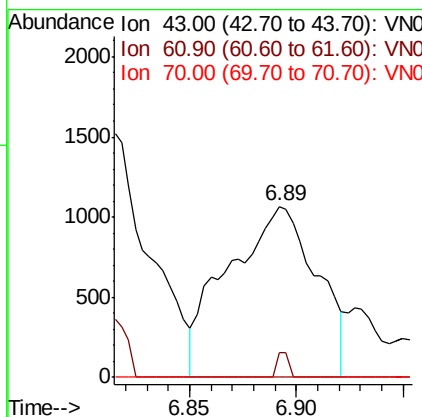
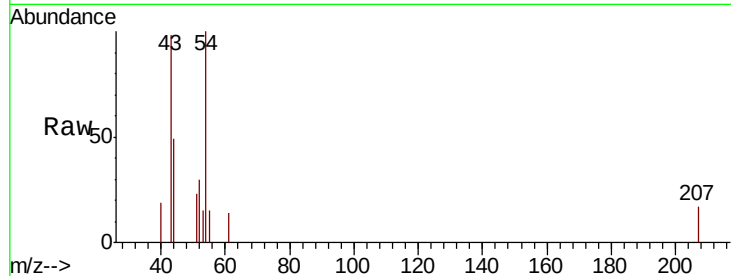
#37
Ethyl Acetate
Concen: 0.793 ug/l m
RT: 6.89 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.7	16.1#
70	0.0	7.2	10.8#

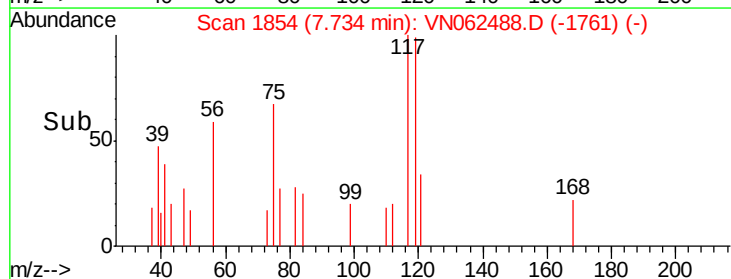
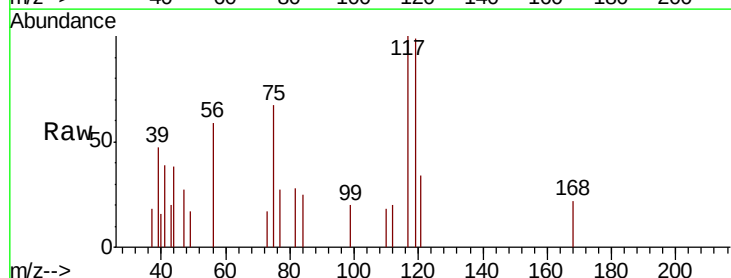
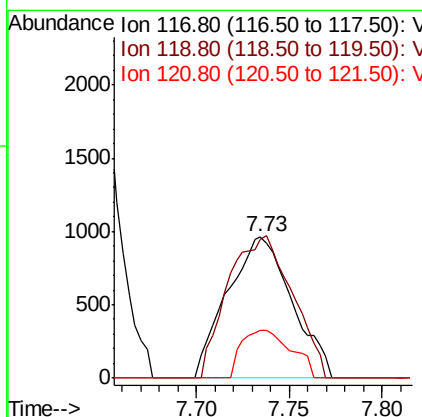
Manual Integrations
APPROVED

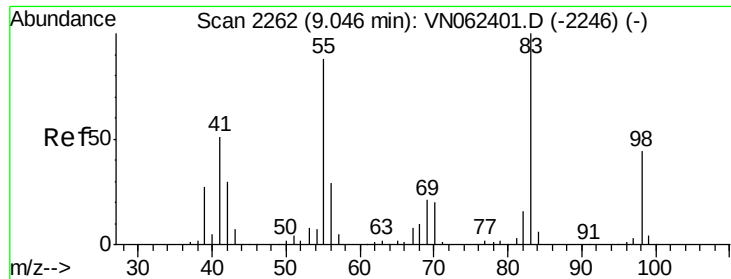
MMDadoda
7/13/2020 11:19:09 AM



#38
Carbon Tetrachloride
Concen: 0.781 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	98.5	77.2	115.8
121	34.2	24.8	37.2





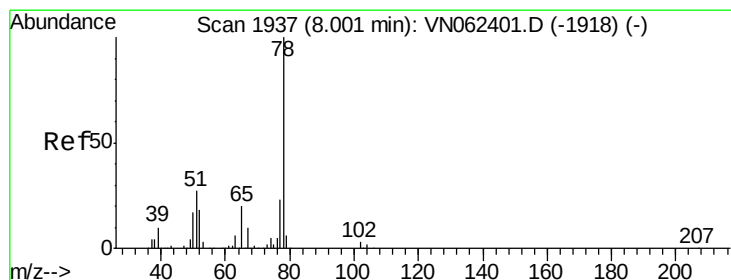
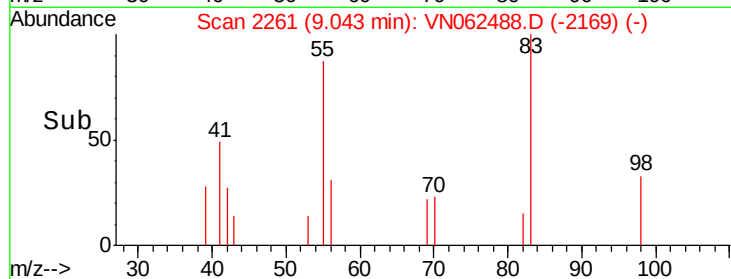
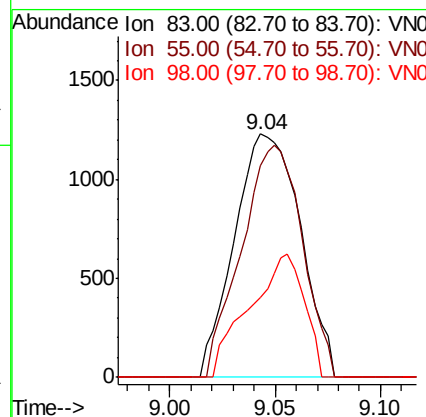
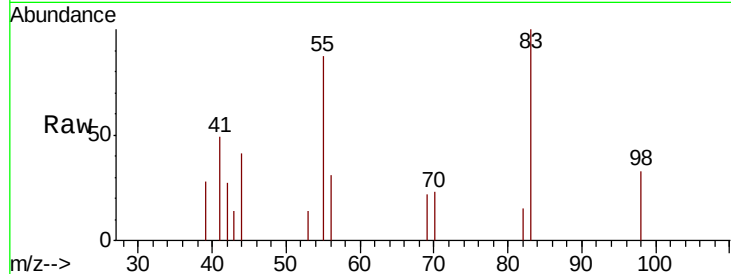
#39
Methylvlcyclohexane
Concen: 0.753 ug/l
RT: 9.04 min Scan# 2261
Delta R.T. -0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 83 Resp: 2676
Ion Ratio Lower Upper
83 100
55 87.1 70.5 105.7
98 32.8 35.5 53.3#

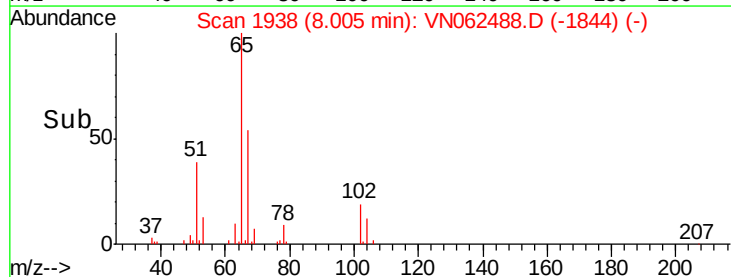
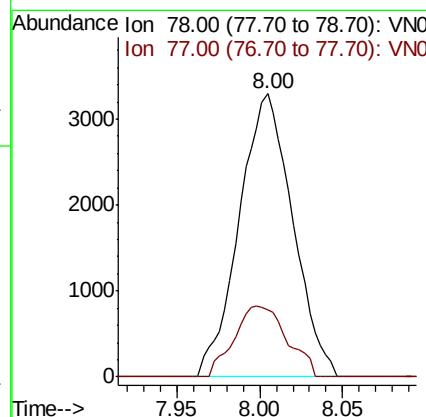
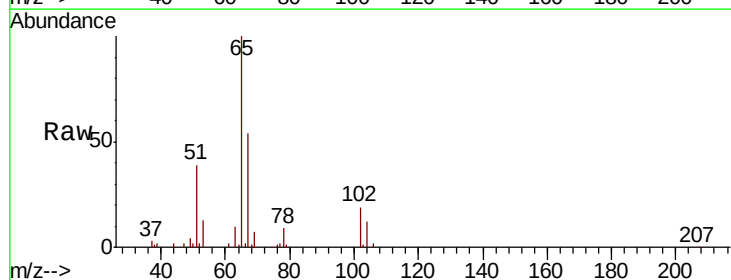
Manual Integrations
APPROVED

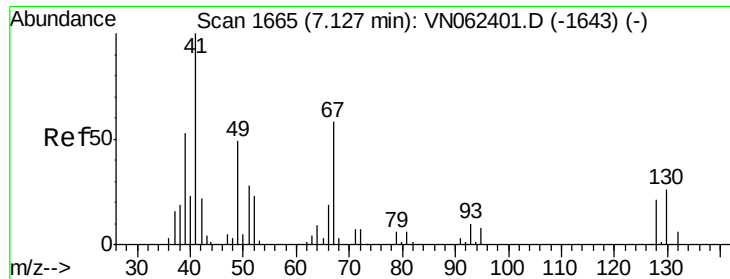
MMDadoda
7/13/2020 11:19:09 AM



#40
Benzene
Concen: 0.754 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 78 Resp: 7398
Ion Ratio Lower Upper
78 100
77 23.7 18.7 28.1





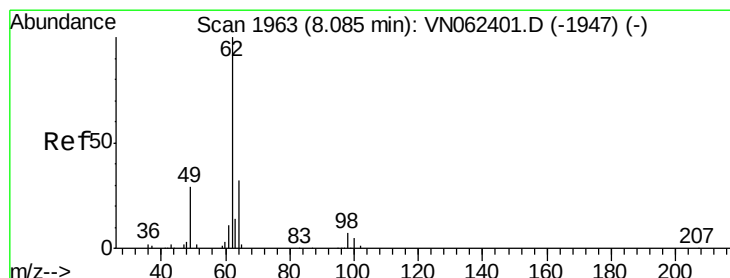
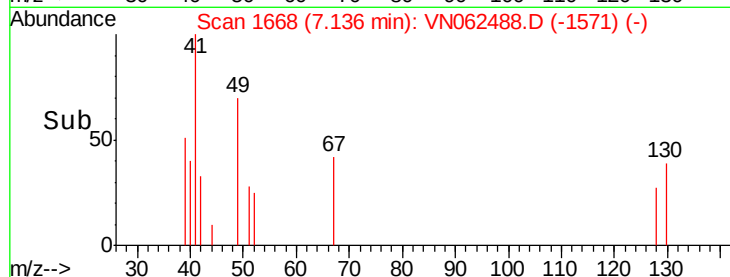
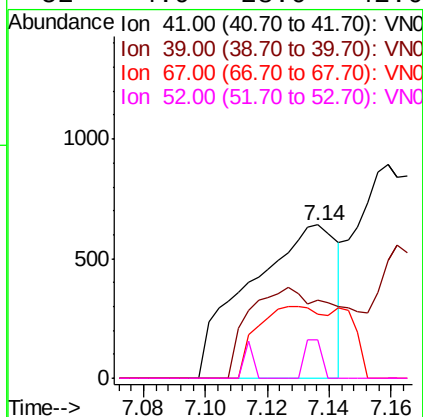
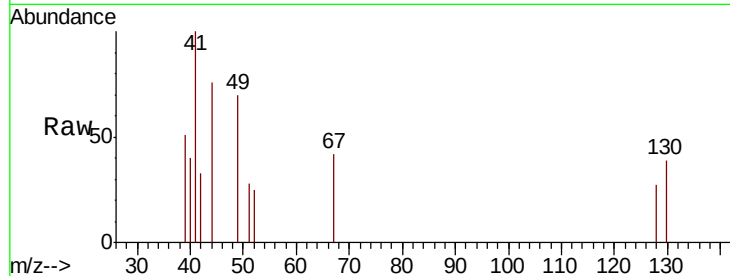
#41
Methacrylonitrile
Concen: 0.774 ug/l
RT: 7.14 min Scan# 1668
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion:	41	Resp:	1259
Ion	Ratio	Lower	Upper
41	100		
39	66.4	50.2	75.2
67	36.4	64.2	96.2#
52	4.9	28.0	42.0#

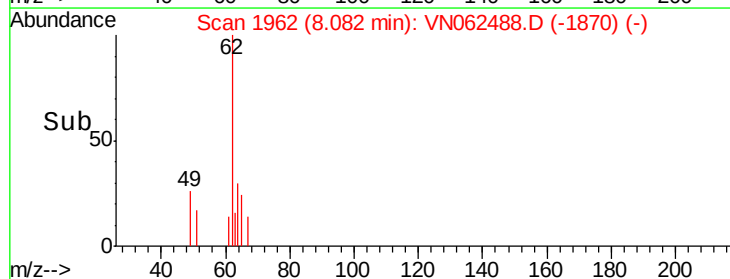
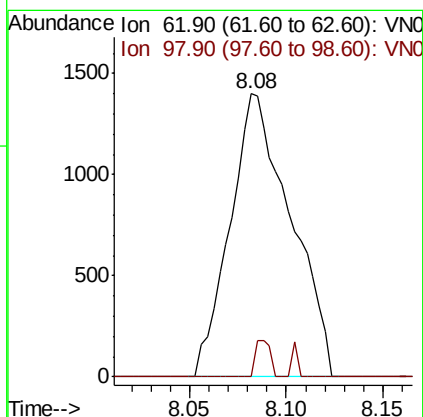
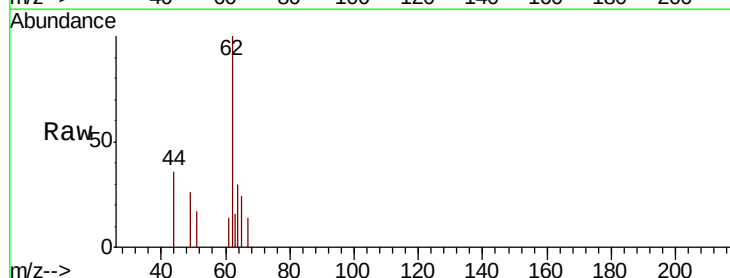
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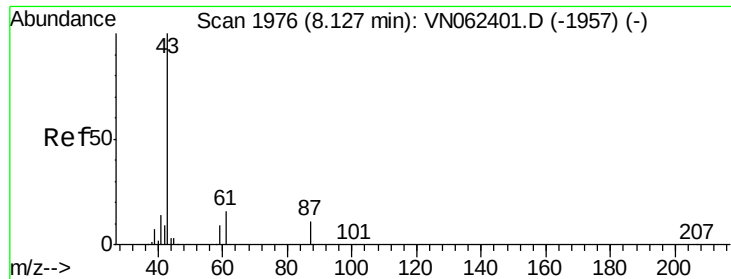
MMDadoda
7/13/2020 11:19:09 AM



#42
1,2-Dichloroethane
Concen: 0.850 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion:	62	Resp:	3053
Ion	Ratio	Lower	Upper
62	100		
98	3.2	0.0	15.8





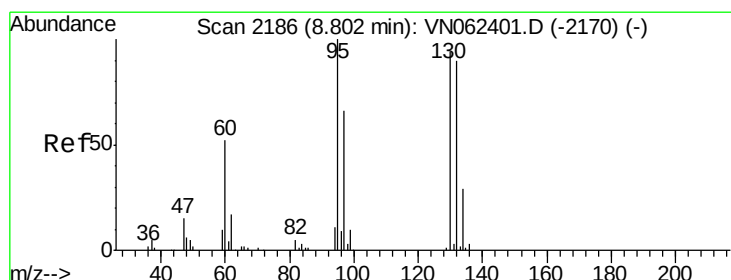
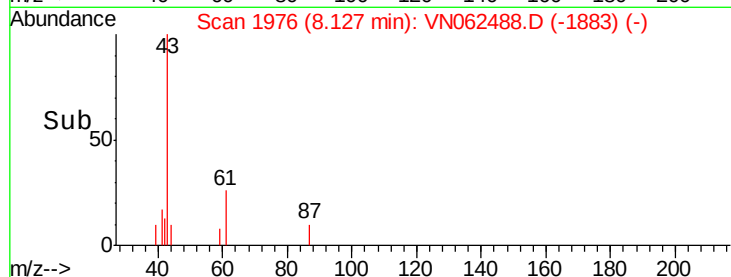
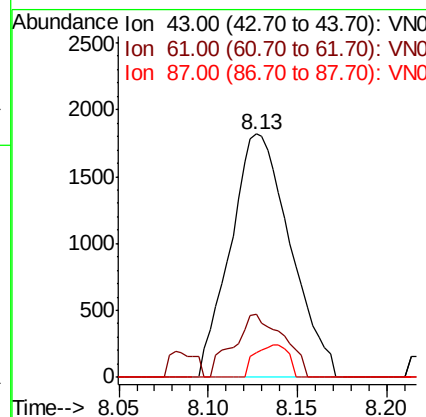
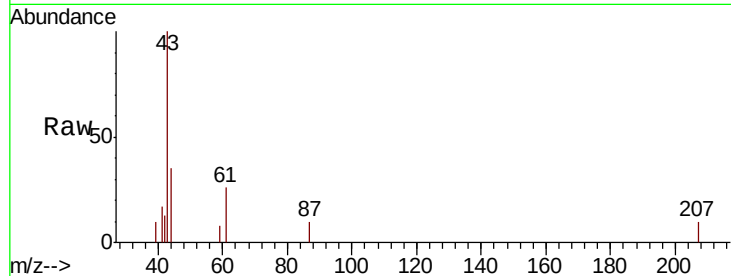
#43
Isopropyl Acetate
Concen: 0.691 ug/l
RT: 8.13 min Scan# 1976
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
43	100		
61	21.7	19.3	28.9
87	7.5	8.6	13.0

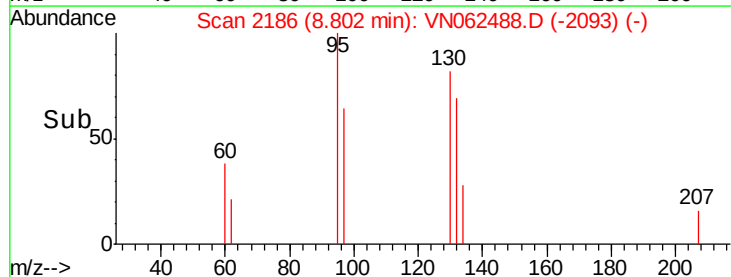
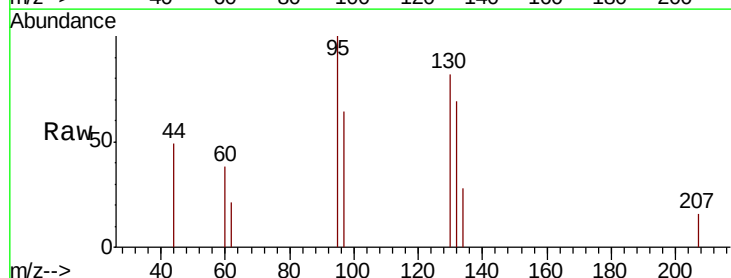
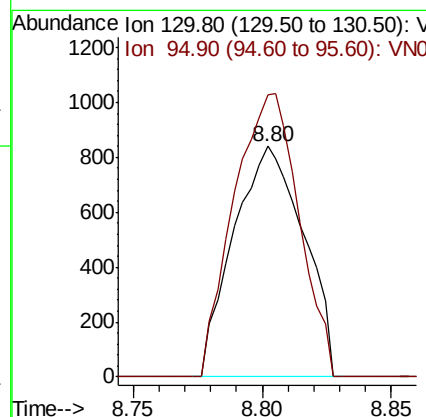
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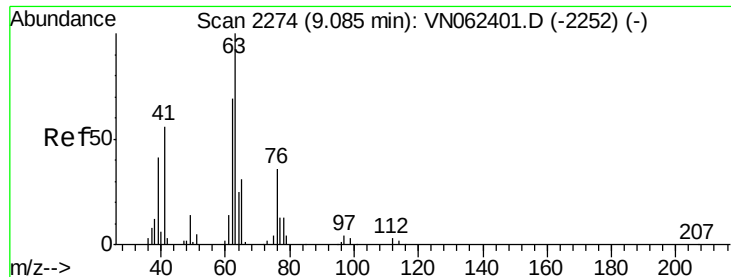
MMDadoda
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#44
Trichloroethene
Concen: 0.731 ug/l
RT: 8.80 min Scan# 2186
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.4	0.0	213.8





#45

1,2-Dichloropropane

Concen: 0.716 ug/l

RT: 9.08 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 63 Resp: 2040

Ion Ratio Lower Upper

63 100

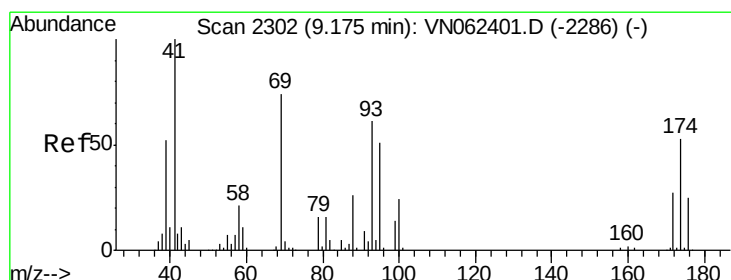
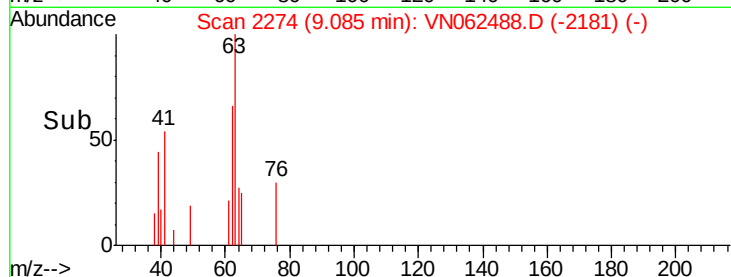
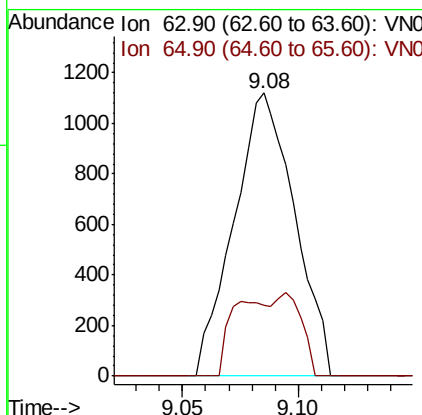
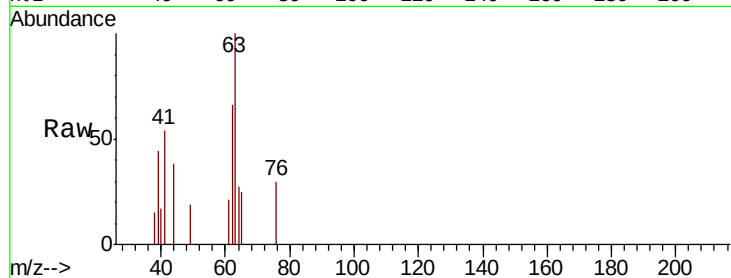
65 25.0 24.6 36.8

Manual Integrations

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#46

Dibromomethane

Concen: 0.795 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

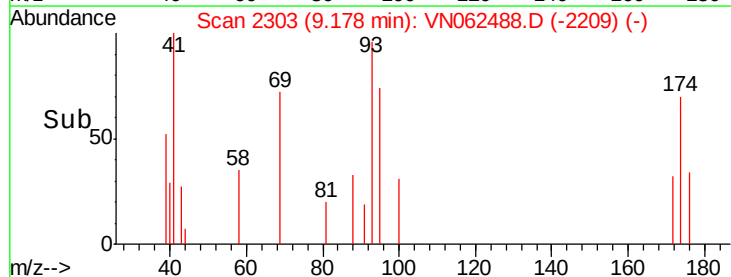
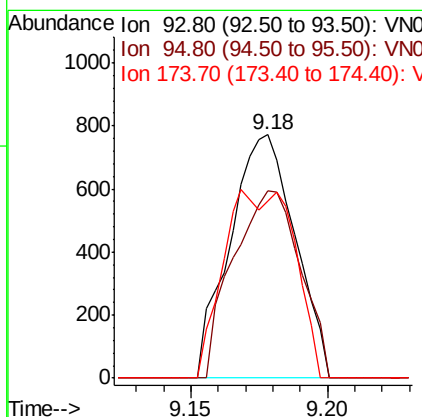
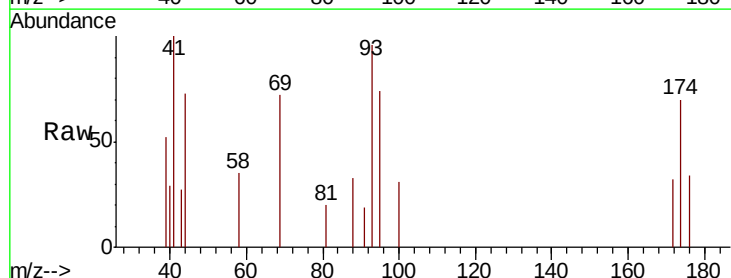
Tgt Ion: 93 Resp: 1277

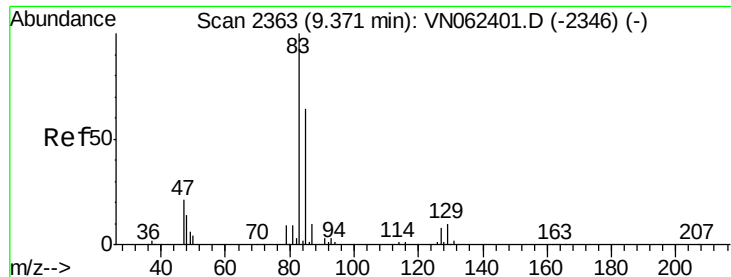
Ion Ratio Lower Upper

93 100

95 79.7 67.1 100.7

174 45.3 70.4 105.6#





#47

Bromodichloromethane

Concen: 0.721 ug/l

RT: 9.37 min Scan# 2364

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

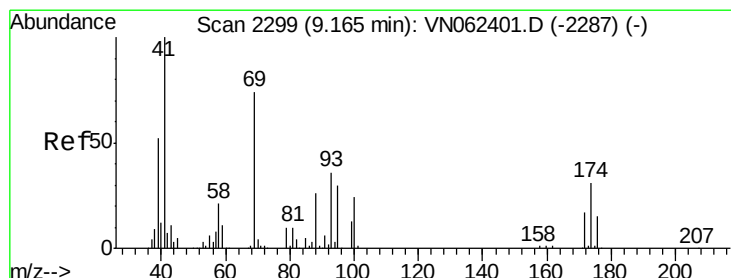
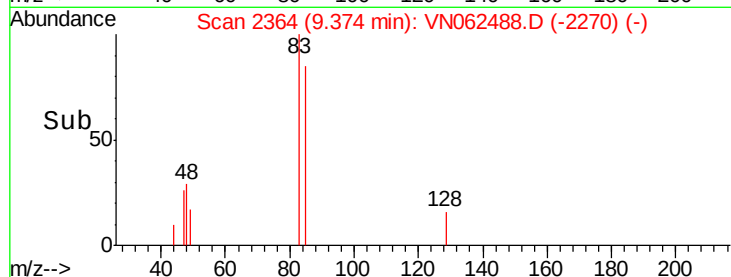
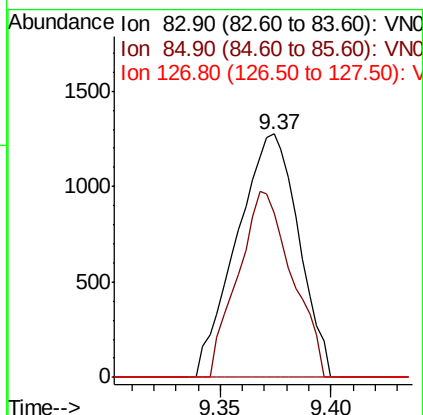
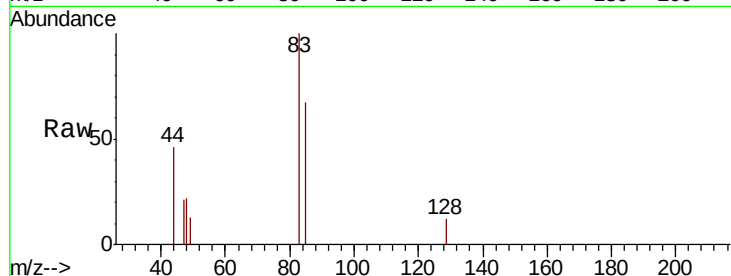
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	83	Resp:	2478
Ion	Ratio	Lower	Upper
83	100		
85	67.3	51.2	76.8
127	0.0	6.2	9.2#

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#48

Methyl methacrylate

Concen: 0.658 ug/l

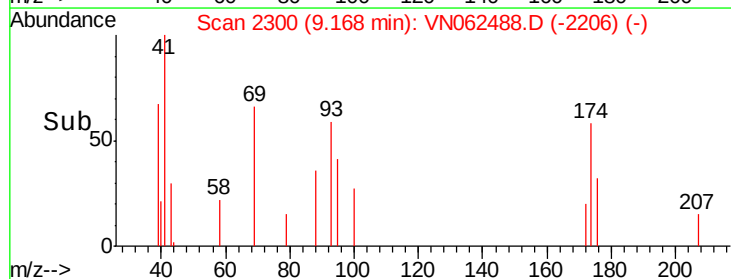
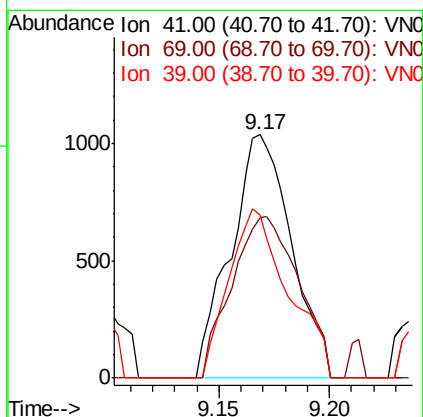
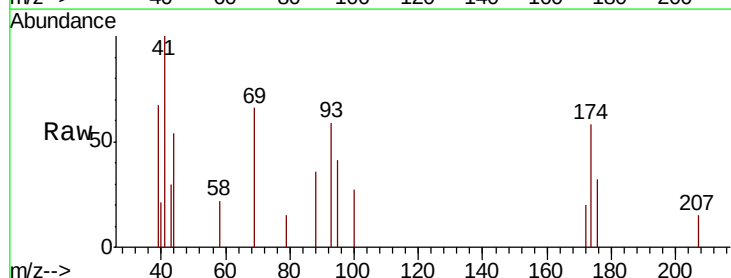
RT: 9.17 min Scan# 2300

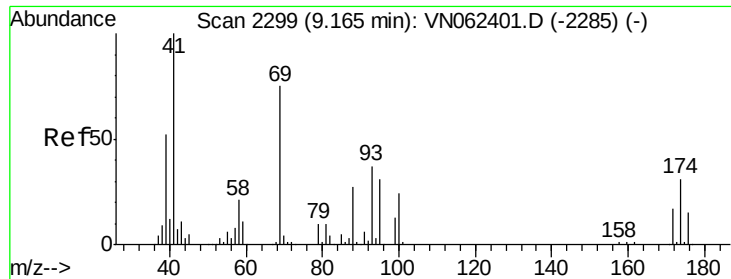
Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	41	Resp:	1985
Ion	Ratio	Lower	Upper
41	100		
69	72.9	60.8	91.2
39	67.8	43.5	65.3#





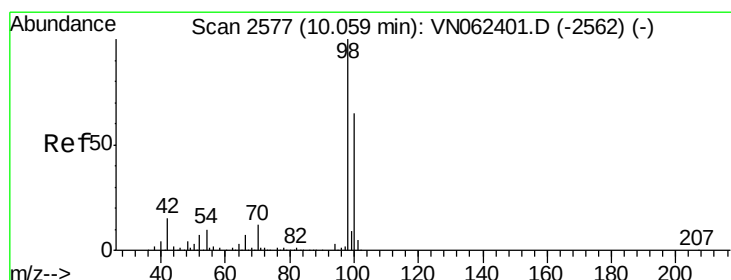
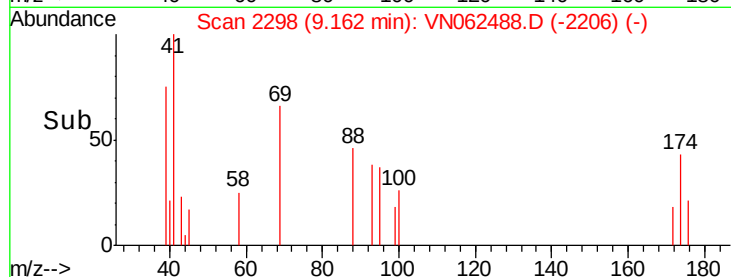
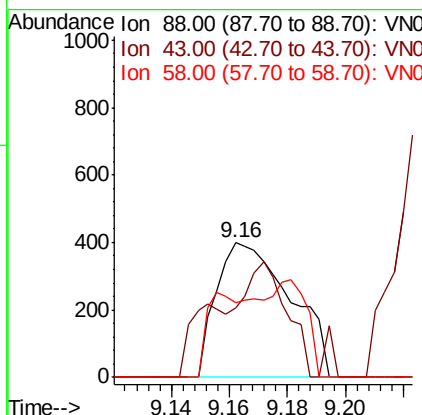
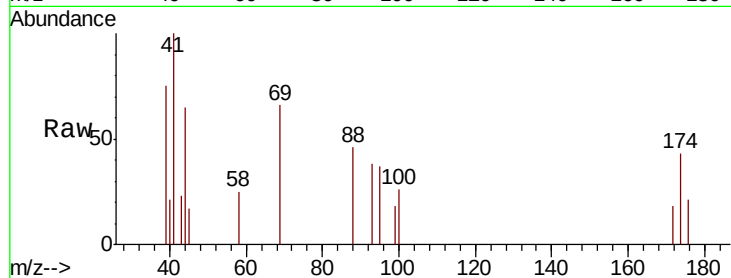
#49
1,4-Dioxane
Concen: 16.083 ug/l
RT: 9.16 min Scan# 2298
Delta R.T. -0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
88	100		
43	26.3	31.0	46.4#
58	31.4	63.3	94.9#

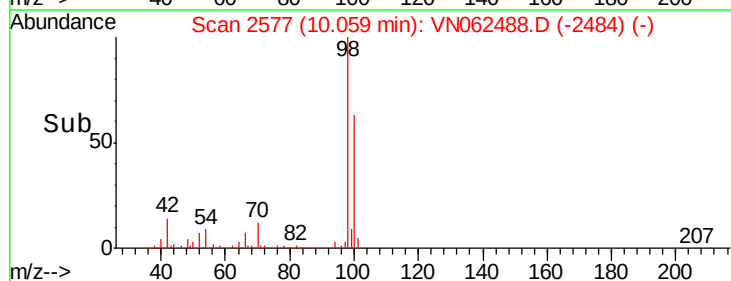
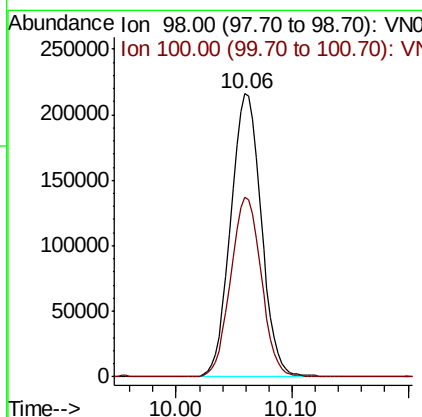
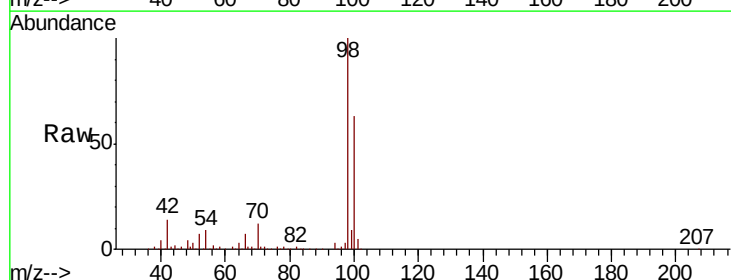
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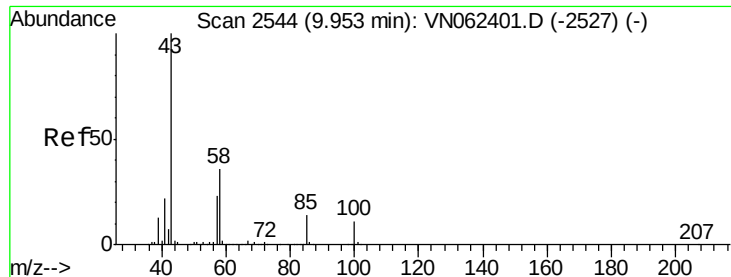
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#50
Toluene-d8
Concen: 48.892 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.5	51.5	77.3





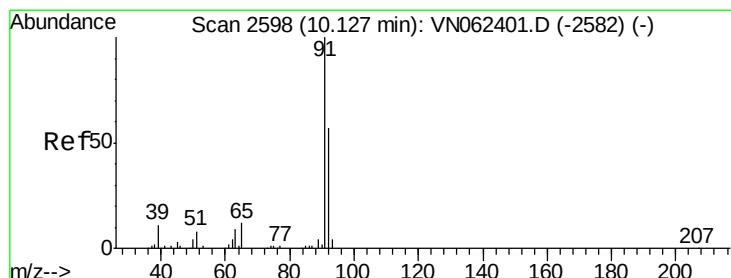
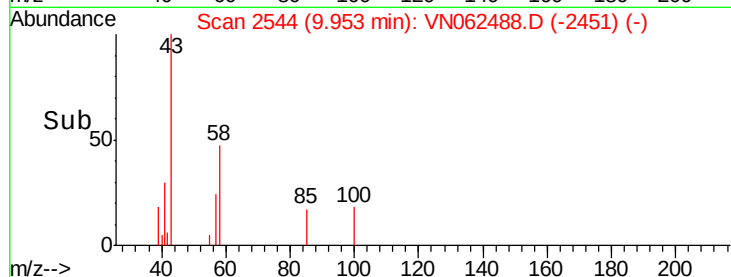
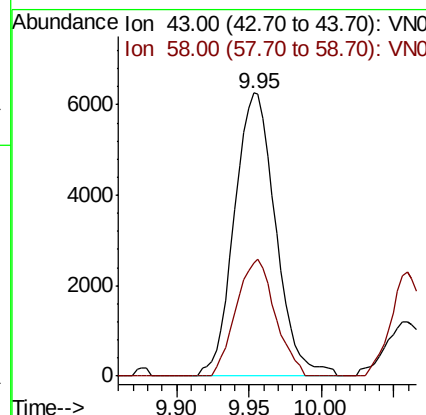
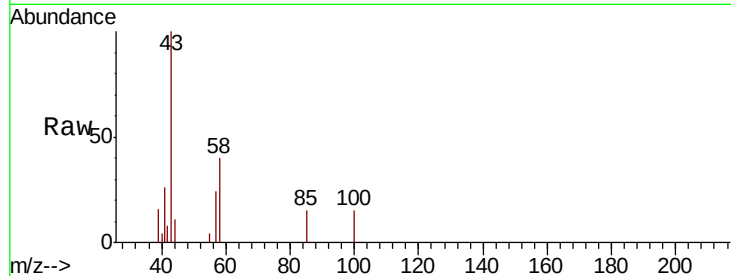
#51
 4-Methyl-2-Pentanone
 Concen: 3.372 ug/l
 RT: 9.95 min Scan# 2544
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
43	100		
58	38.9	29.0	43.6

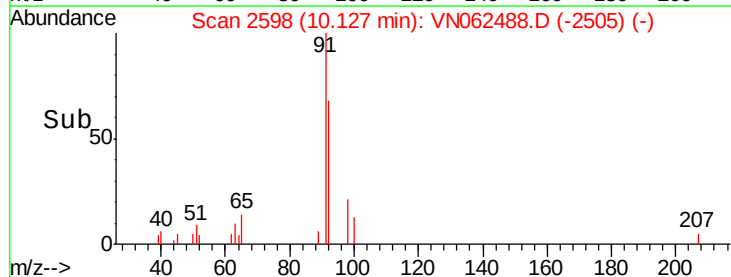
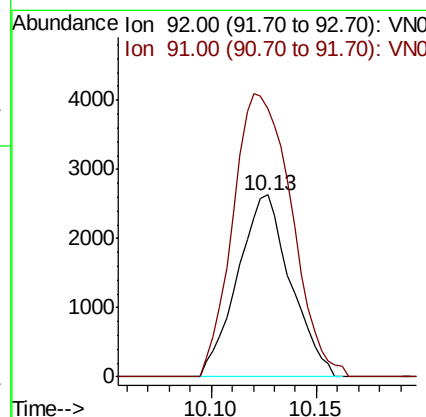
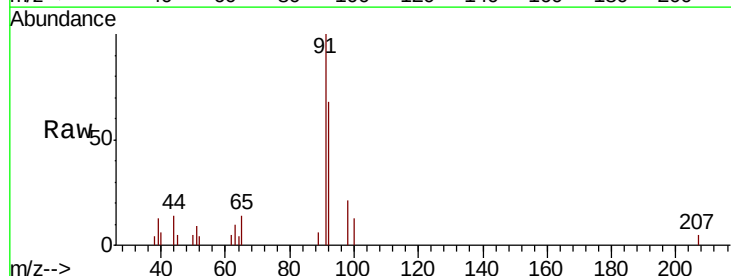
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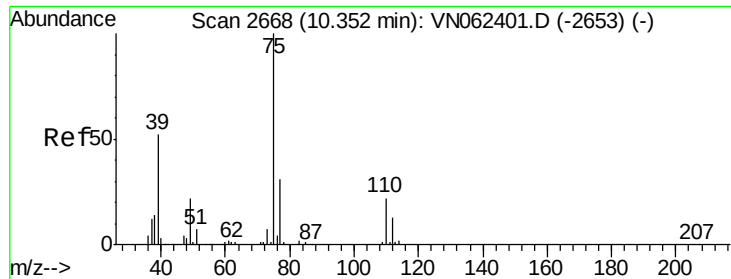
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#52
 Toluene
 Concen: 0.811 ug/l
 RT: 10.13 min Scan# 2598
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.0	141.0	211.6





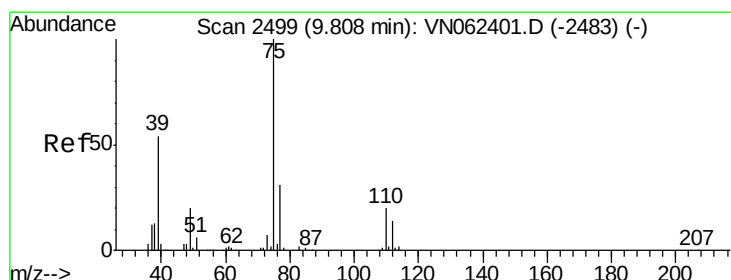
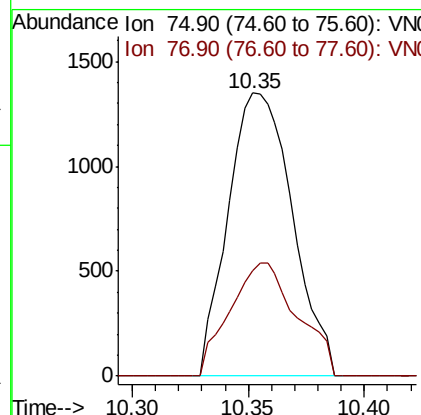
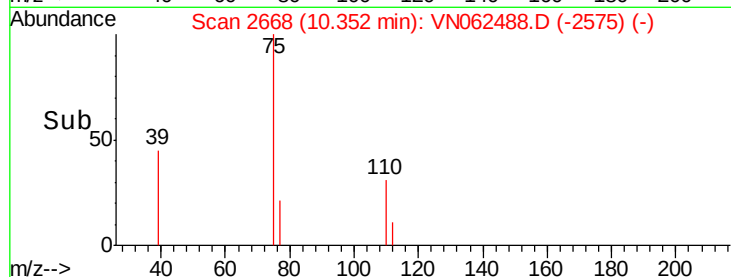
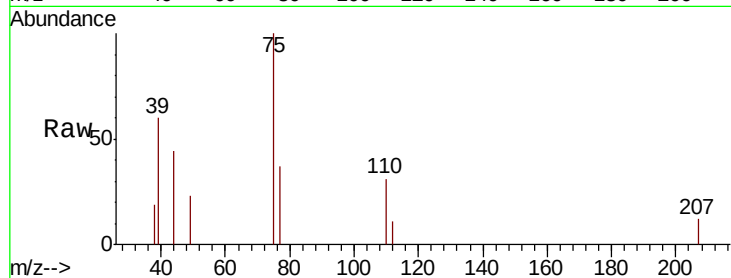
#53
t-1,3-Dichloropropene
Concen: 0.675 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 75 Resp: 2599
Ion Ratio Lower Upper
75 100
77 37.4 25.2 37.8

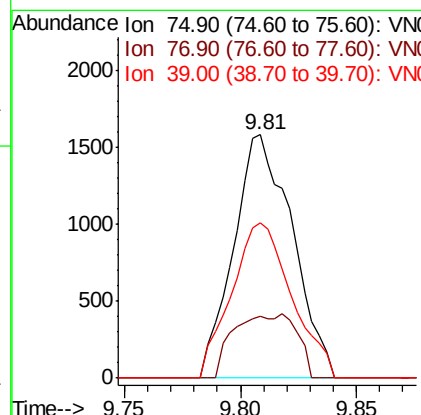
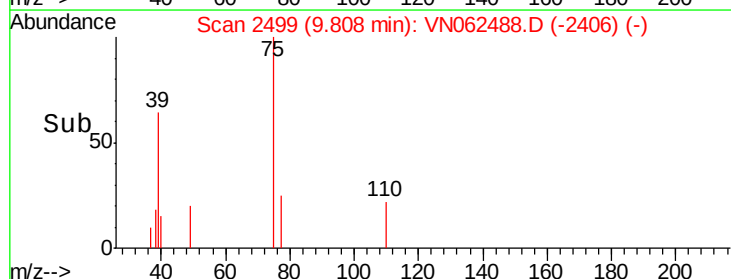
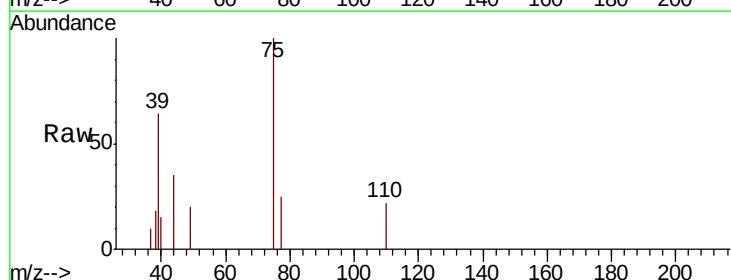
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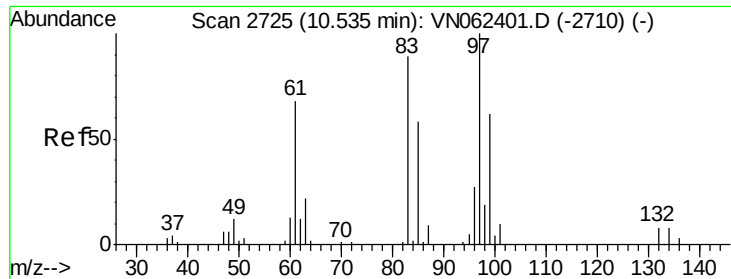
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#54
cis-1,3-Dichloropropene
Concen: 0.655 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 75 Resp: 2781
Ion Ratio Lower Upper
75 100
77 25.4 24.5 36.7
39 63.8 43.4 65.0





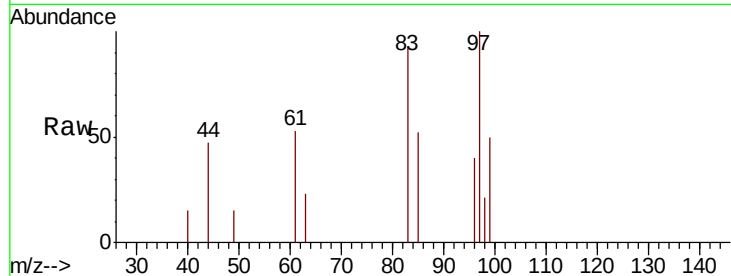
#55
 1,1,2-Trichloroethane
 Concen: 0.702 ug/l
 RT: 10.54 min Scan# 2726
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

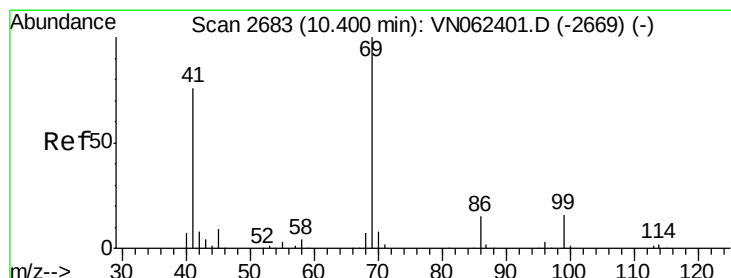
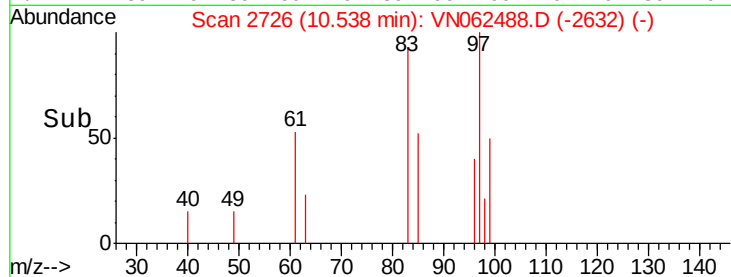
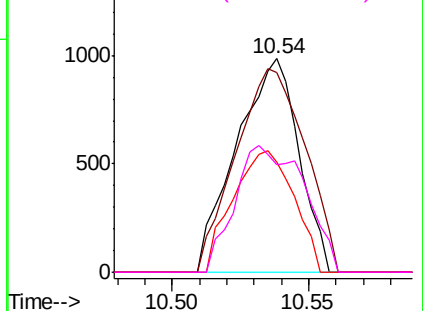
Tot Ion:	97	Resp:	1565
Ion	Ratio	Lower	Upper
97	100		
83	93.3	71.0	106.4
85	51.6	46.2	69.4
99	50.3	49.7	74.5

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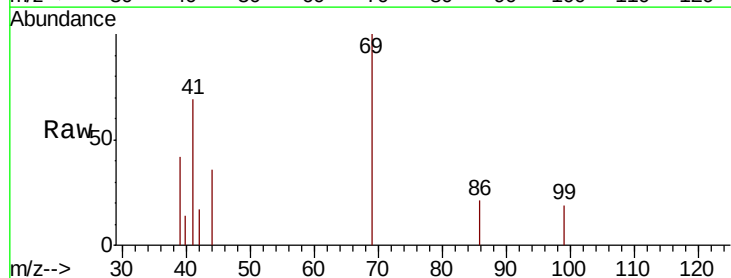


Abundance Ion 96.90 (96.60 to 97.60): VNO
 Ion 82.90 (82.60 to 83.60): VNO
 Ion 84.90 (84.60 to 85.60): VNO
 Ion 98.90 (98.60 to 99.60): VNO

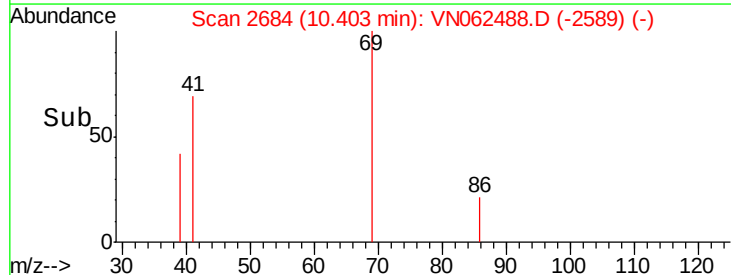
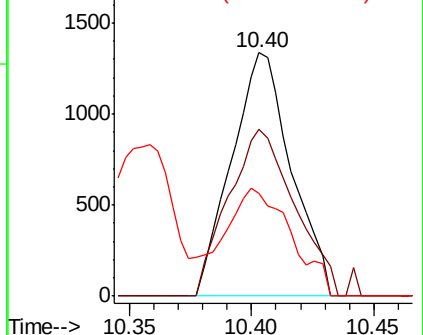


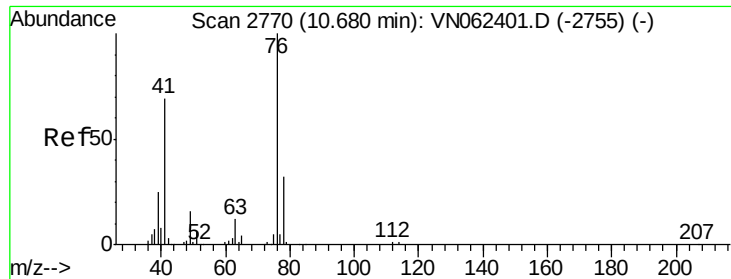
#56
 Ethyl methacrylate
 Concen: 0.606 ug/l
 RT: 10.40 min Scan# 2684
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion:	69	Resp:	2256
Ion	Ratio	Lower	Upper
69	100		
41	76.3	59.7	89.5
39	50.2	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





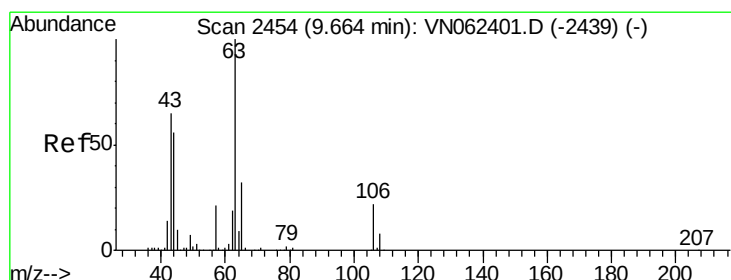
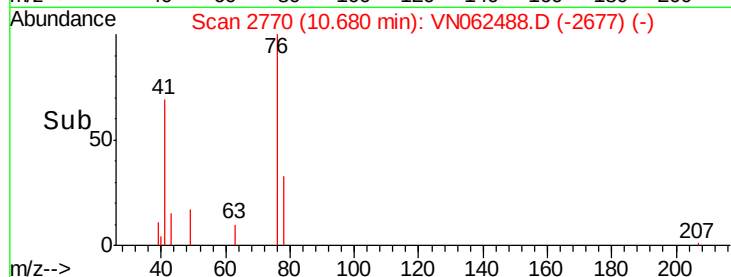
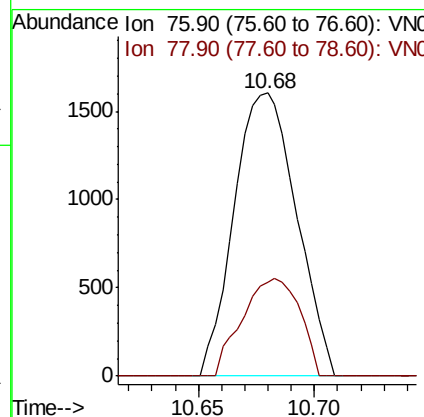
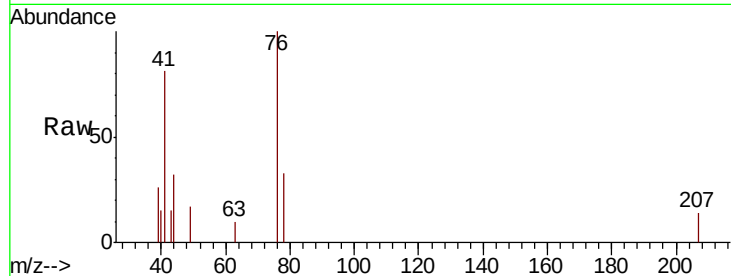
#57
 1,3-Dichloropropane
 Concen: 0.728 ug/l
 RT: 10.68 min Scan# 2770
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

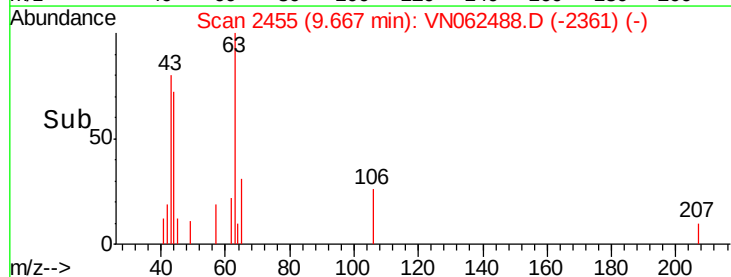
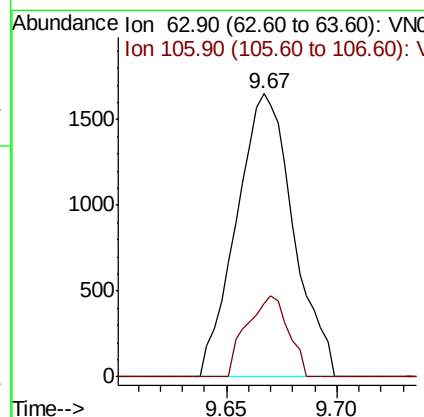
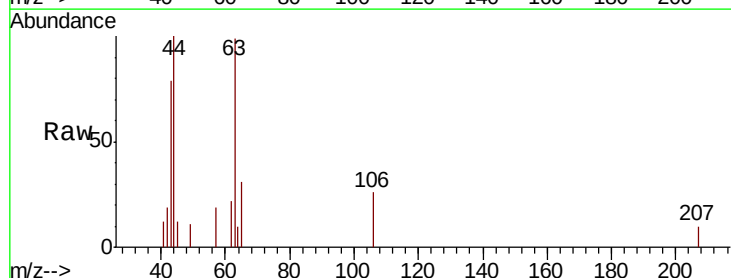
Manual Integrations
 APPROVED

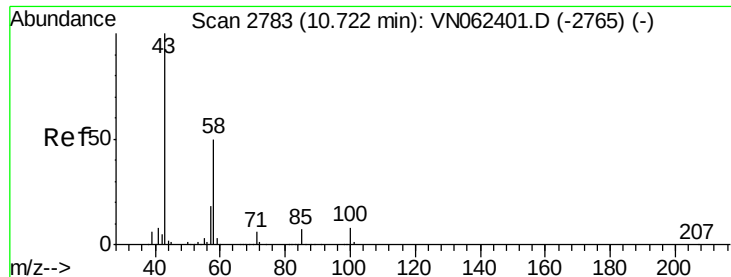
MMDadoda
 7/13/2020 11:19:09 AM



#58
 2-Chloroethyl Vinyl ether
 Concen: 2.235 ug/l
 RT: 9.67 min Scan# 2455
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
63	100		
106	20.9	17.6	26.4





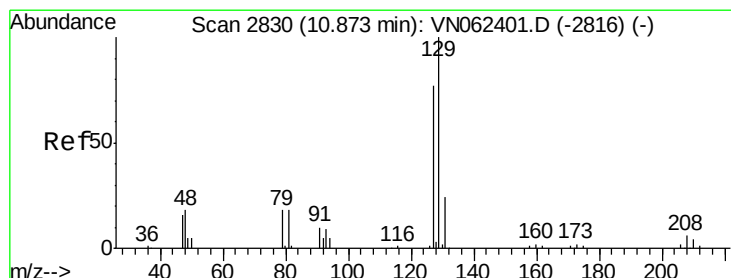
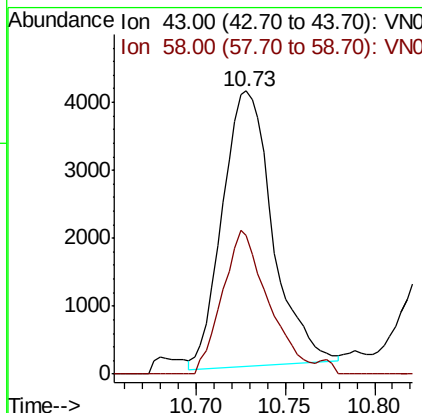
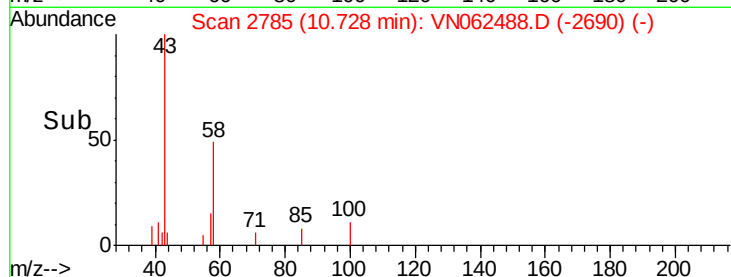
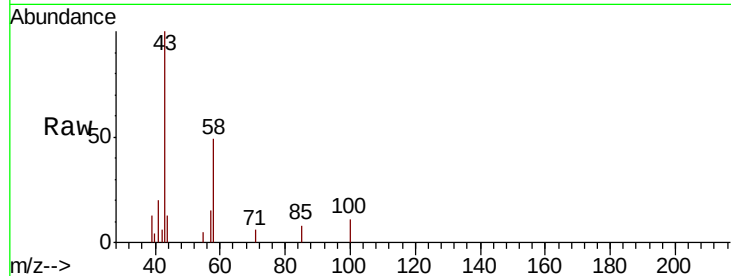
#59
2-Hexanone
Concen: 2.980 ug/l
RT: 10.73 min Scan# 2785
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 43 Resp: 7944
Ion Ratio Lower Upper
43 100
58 48.1 25.1 75.2

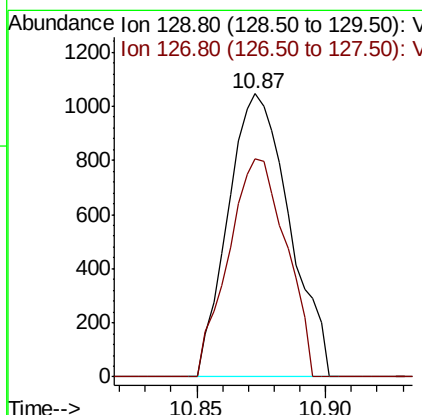
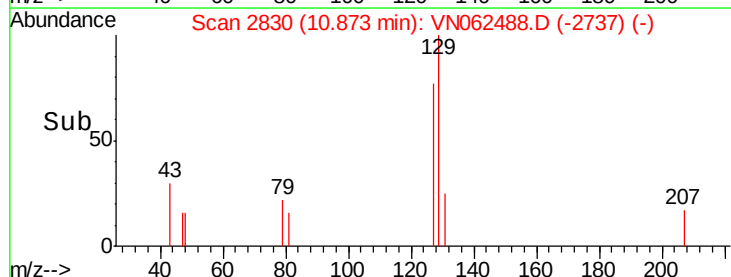
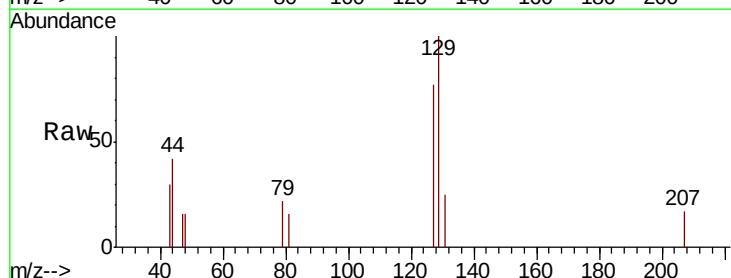
Manual Integrations
APPROVED

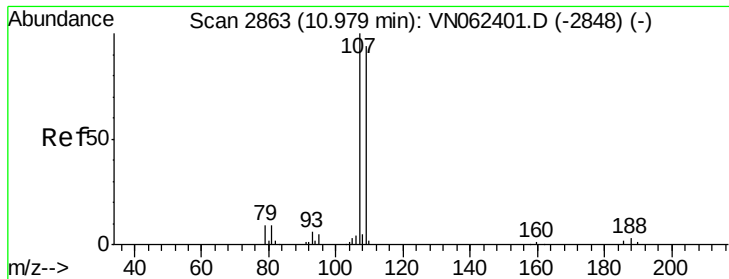
MMDadoda
7/13/2020 11:19:09 AM



#60
Dibromochloromethane
Concen: 0.719 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 129 Resp: 1738
Ion Ratio Lower Upper
129 100
127 72.4 38.6 115.8





#61

1,2-Dibromoethane

Concen: 0.630 ug/l

RT: 10.98 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion: 107 Resp: 1418

Ion Ratio Lower Upper

107 100

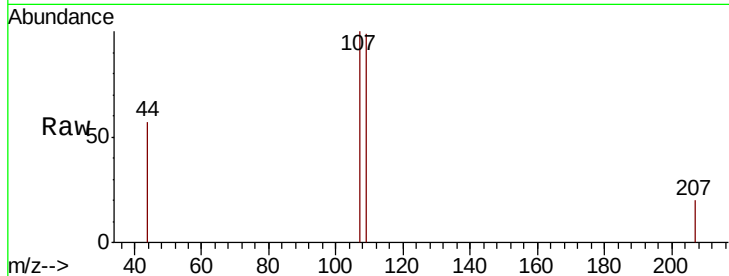
109 100.4 75.6 113.4

Manual Integrations

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Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

10.98

800

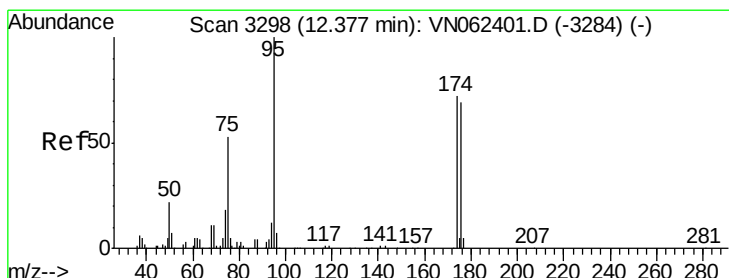
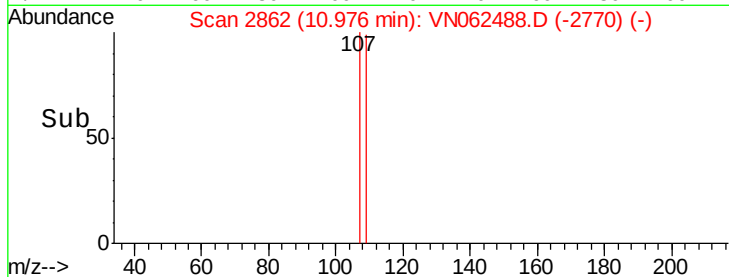
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: 43.717 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

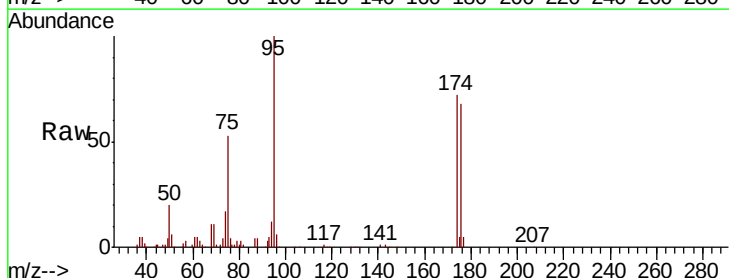
Tgt Ion: 95 Resp: 128795

Ion Ratio Lower Upper

95 100

174 71.5 0.0 141.6

176 68.6 0.0 137.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

100000

80000

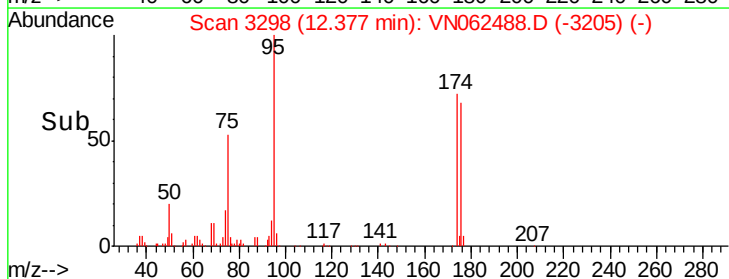
60000

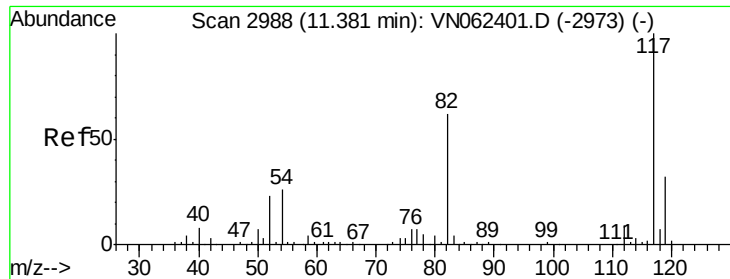
40000

20000

0

Time-->





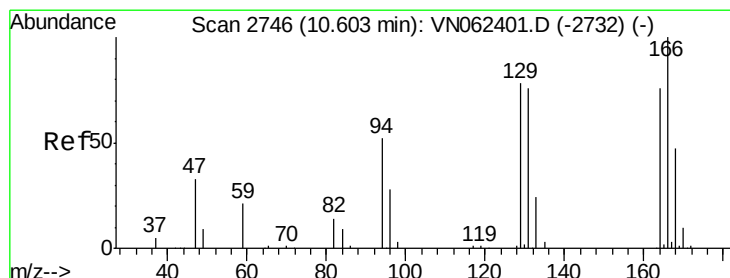
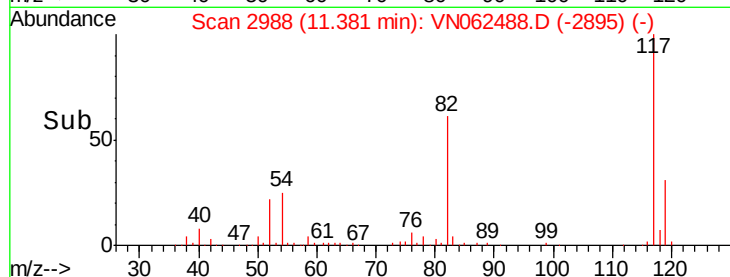
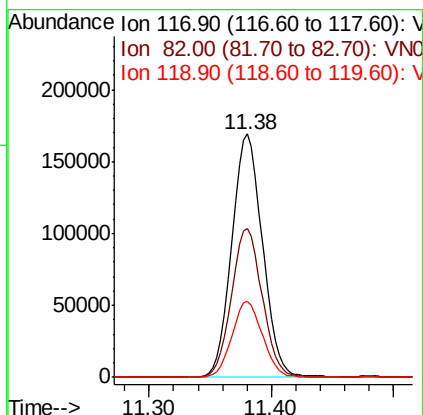
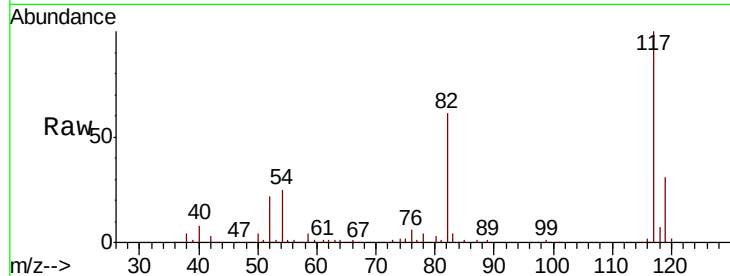
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Resp	Lower	Upper
117	100	296330		
82	61.4	49.6	74.4	
119	31.4	25.4	38.0	

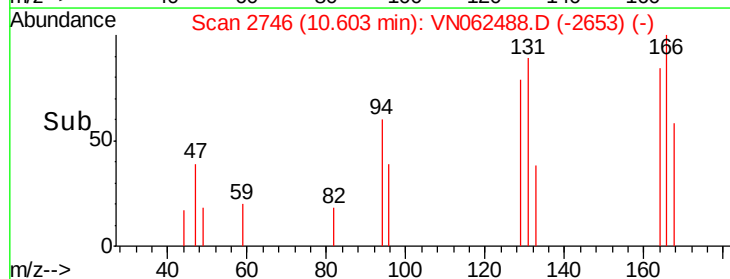
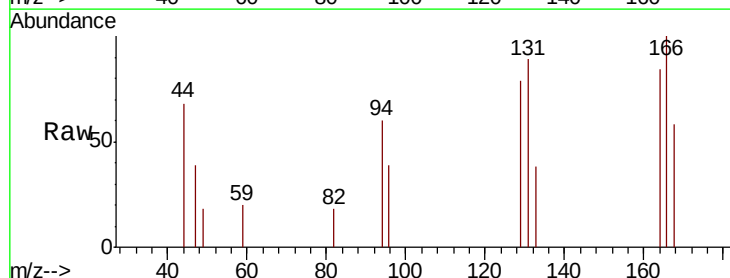
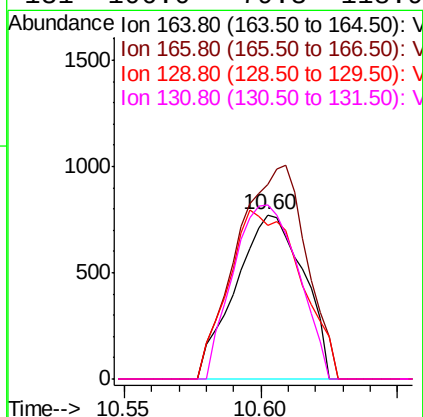
Manual Integrations
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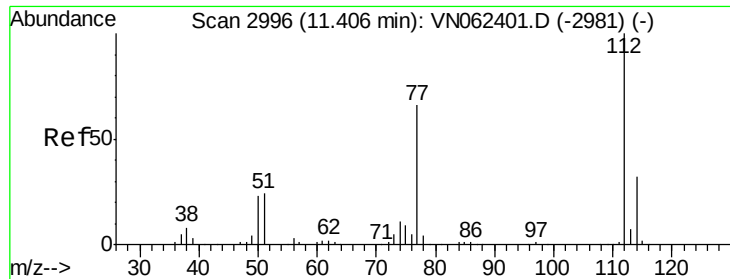
MMDadoda
7/13/2020 11:19:09 AM



#64
Tetrachloroethene
Concen: 0.760 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	1337		
166	118.4	104.9	157.3	
129	93.4	81.8	122.6	
131	106.0	79.3	118.9	





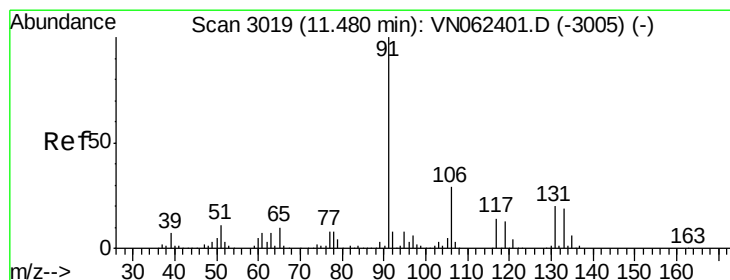
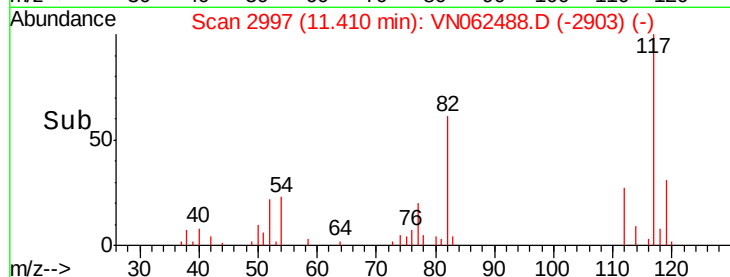
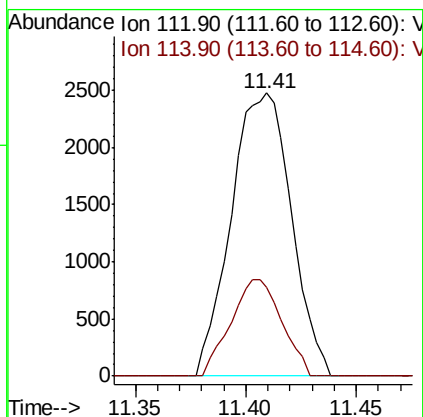
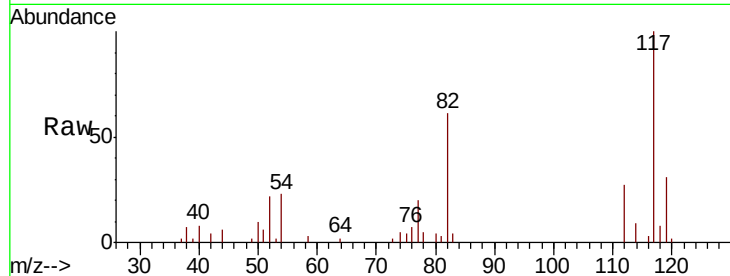
#65
Chlorobenzene
Concen: 0.812 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion:112 Resp: 4676
Ion Ratio Lower Upper
112 100
114 31.2 25.9 38.9

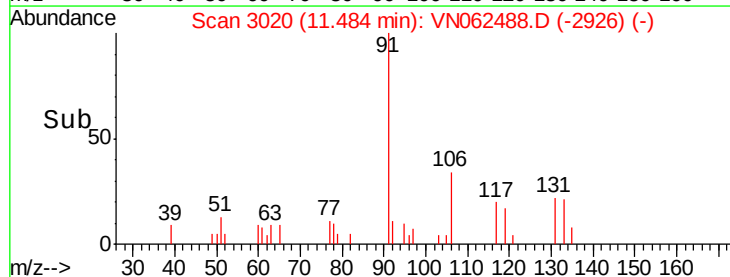
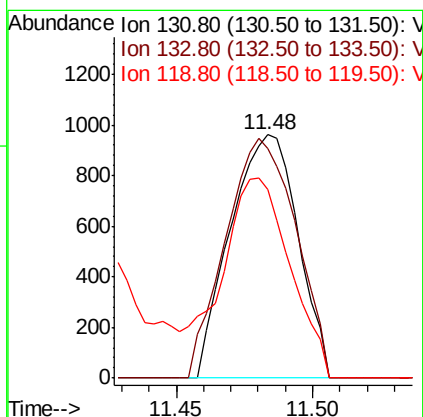
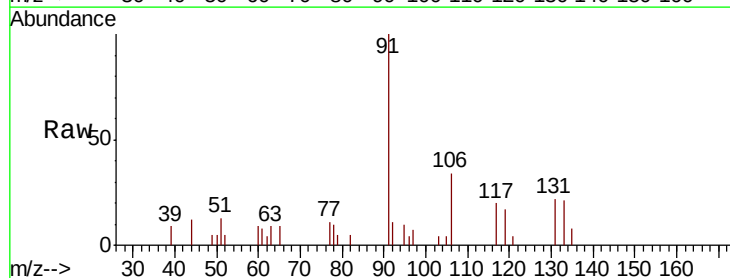
Manual Integrations
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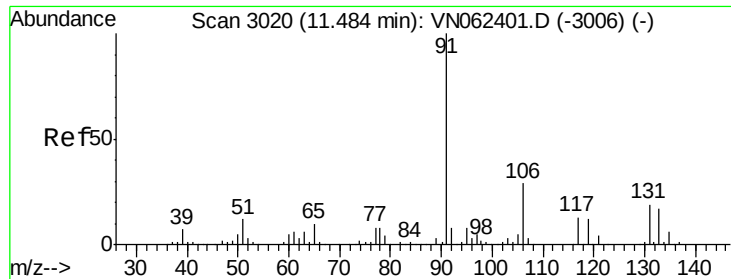
MMDadoda
7/13/2020 11:19:09 AM



#66
1,1,1,2-Tetrachloroethane
Concen: 0.776 ug/l
RT: 11.48 min Scan# 3020
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion:131 Resp: 1649
Ion Ratio Lower Upper
131 100
133 103.0 46.9 140.8
119 0.0 33.2 99.6#





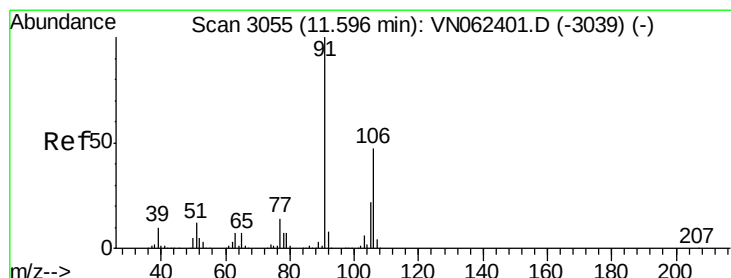
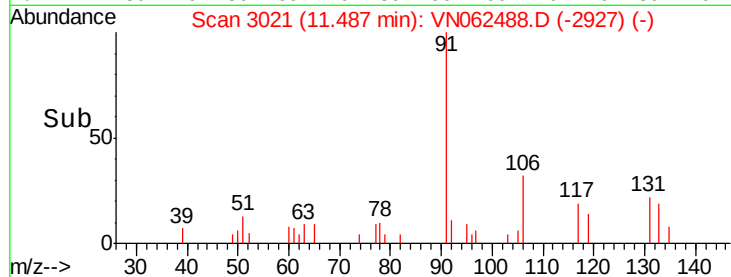
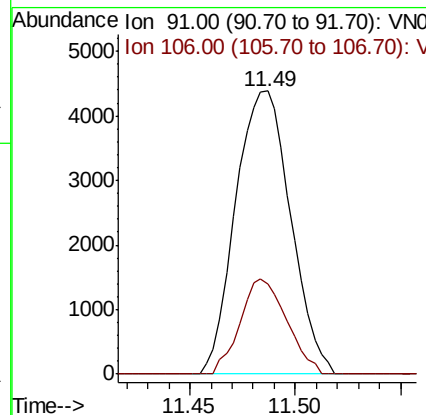
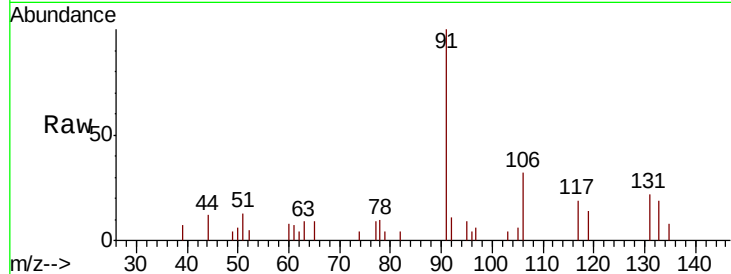
#67
Ethyl Benzene
Concen: 0.734 ug/l
RT: 11.49 min Scan# 3021
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 91 Resp: 7940
Ion Ratio Lower Upper
91 100
106 32.0 23.4 35.2

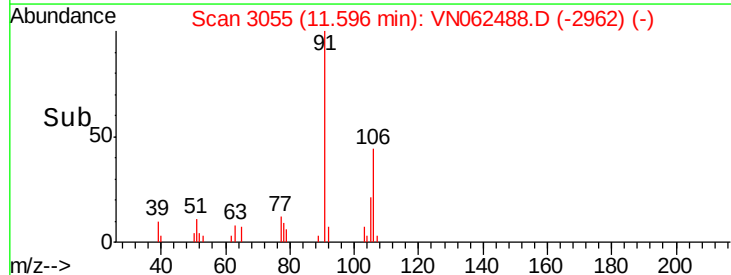
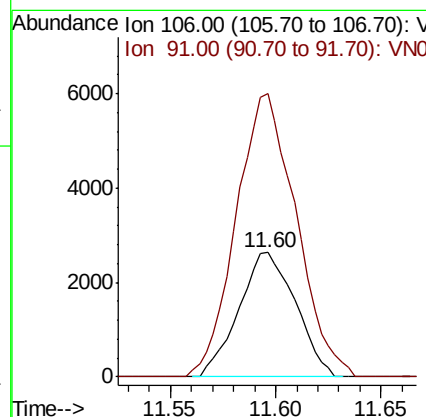
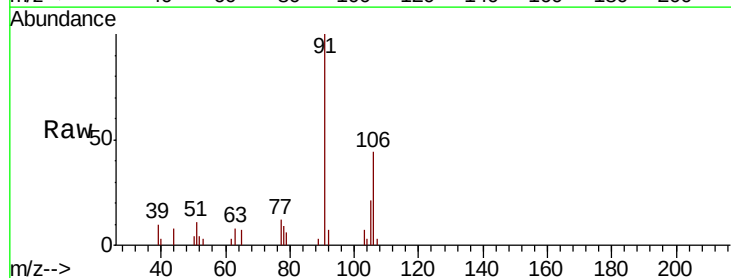
Manual Integrations
APPROVED

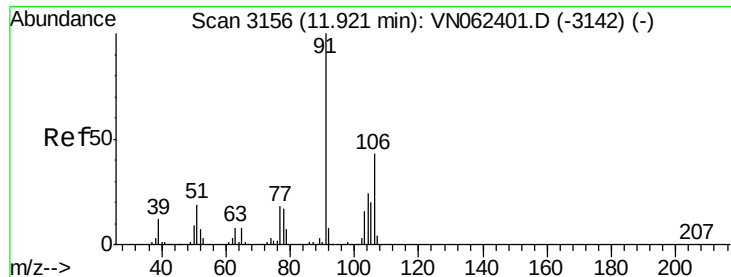
MMDadoda
7/13/2020 11:19:09 AM



#68
m/p-Xylenes
Concen: 1.286 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 106 Resp: 4921
Ion Ratio Lower Upper
106 100
91 241.1 172.4 258.6





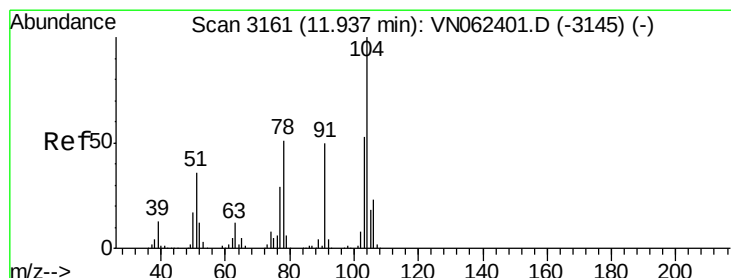
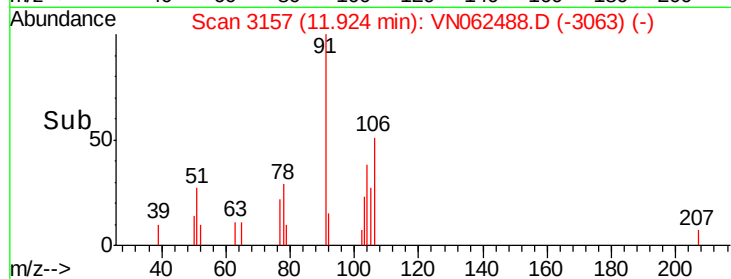
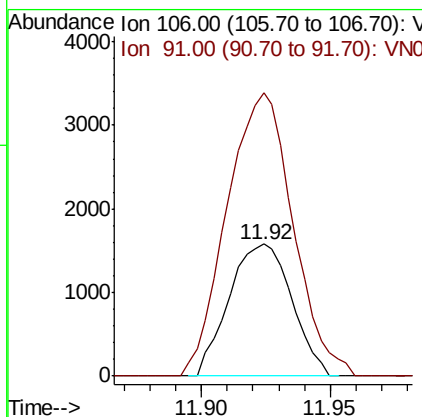
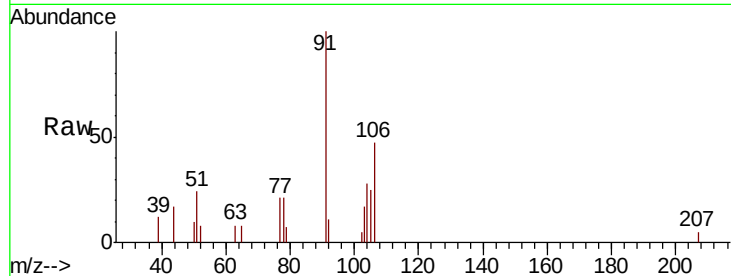
#69
o-Xylene
Concen: 0.714 ug/l
RT: 11.92 min Scan# 3157
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion:106 Resp: 2660
Ion Ratio Lower Upper
106 100
91 226.7 113.8 341.4

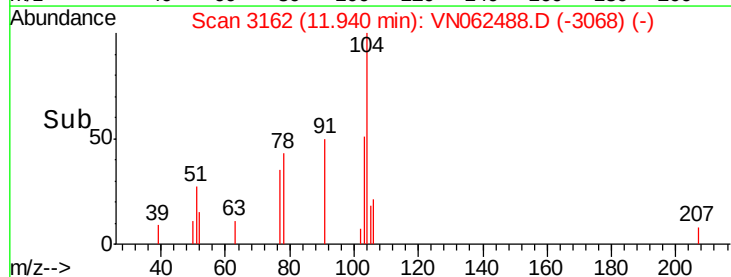
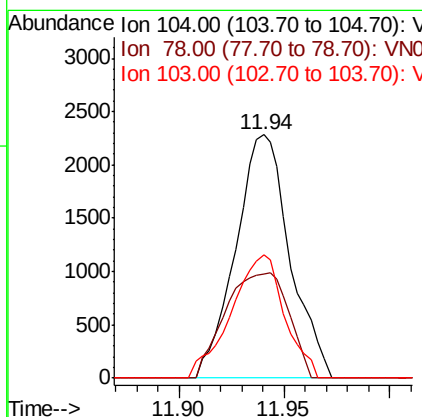
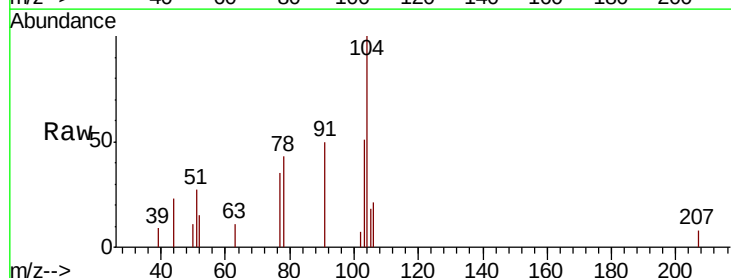
Manual Integrations
APPROVED

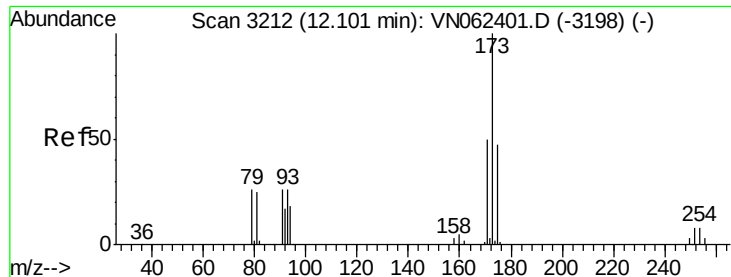
MMDadoda
7/13/2020 11:19:09 AM



#70
Styrene
Concen: 0.661 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion:104 Resp: 4070
Ion Ratio Lower Upper
104 100
78 50.6 44.2 66.4
103 49.8 44.4 66.6





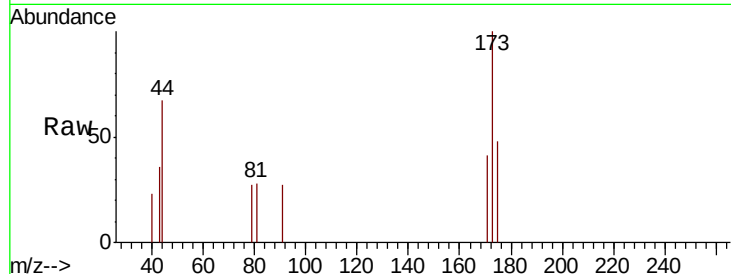
#71
Bromoform
Concen: 0.654 ug/l
RT: 12.10 min Scan# 3213
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

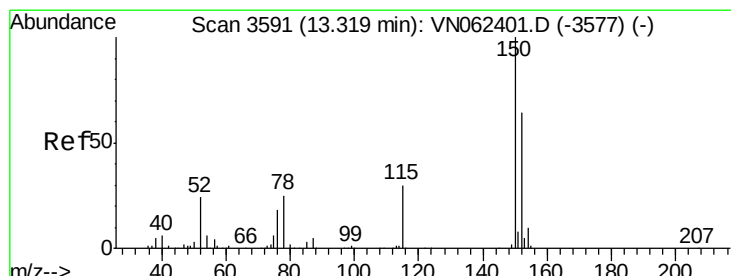
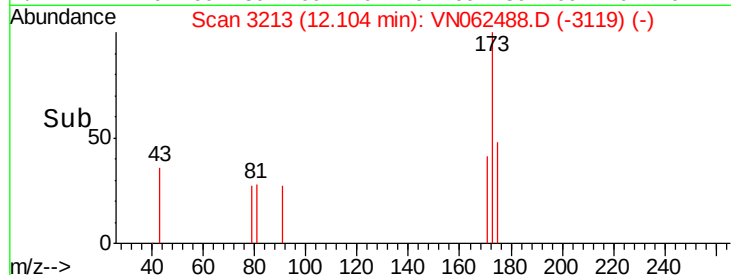
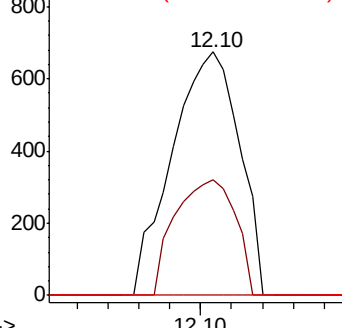
Tot Ion:173 Resp: 1019
Ion Ratio Lower Upper
173 100
175 42.7 23.7 71.1
254 0.0 0.0 0.0

Manual Integrations
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7/13/2020 11:19:09 AM

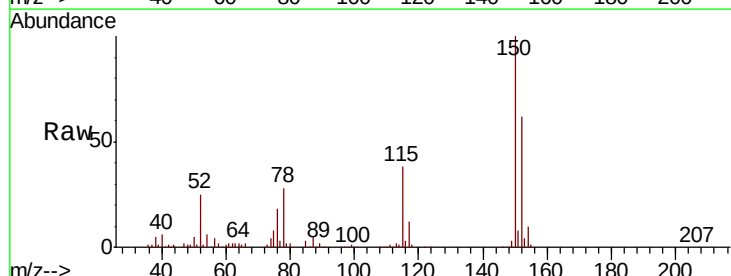


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

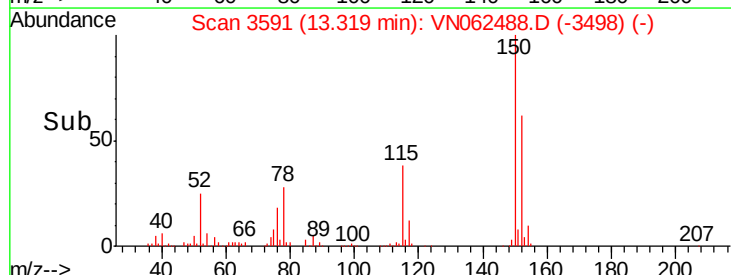
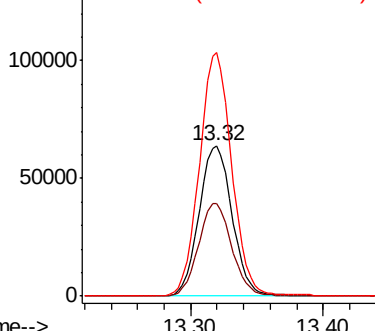


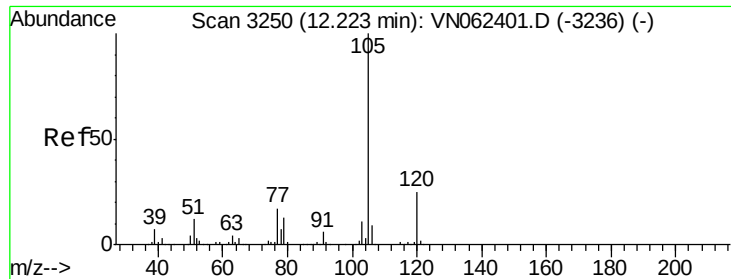
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3591
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion:152 Resp: 110552
Ion Ratio Lower Upper
152 100
115 61.9 31.4 94.2
150 158.6 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





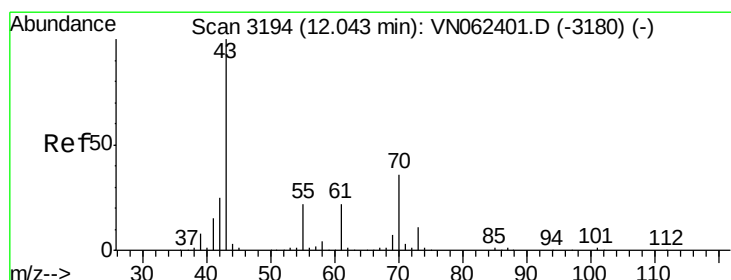
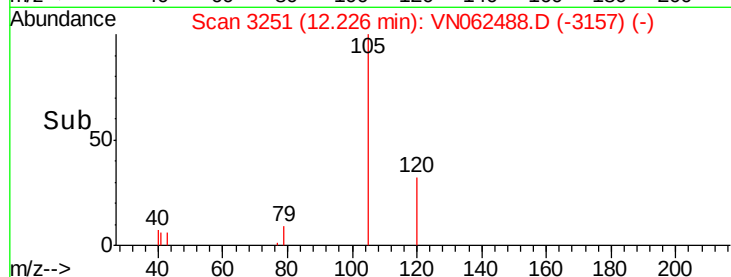
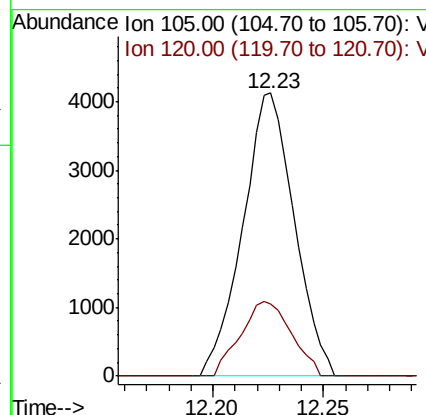
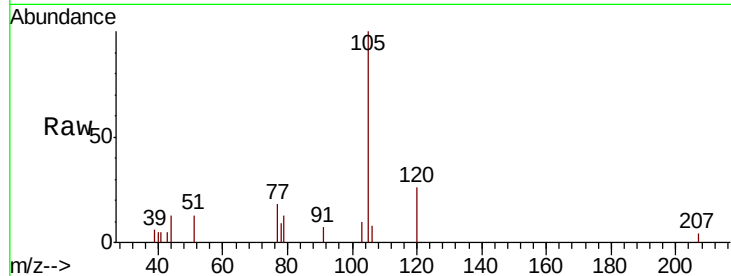
#73
Isopropylbenzene
Concen: 0.783 ug/l
RT: 12.23 min Scan# 3251
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion: 105 Resp: 6699
Ion Ratio Lower Upper
105 100
120 26.1 12.7 38.1

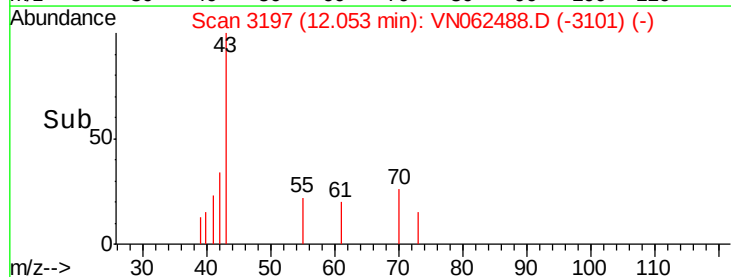
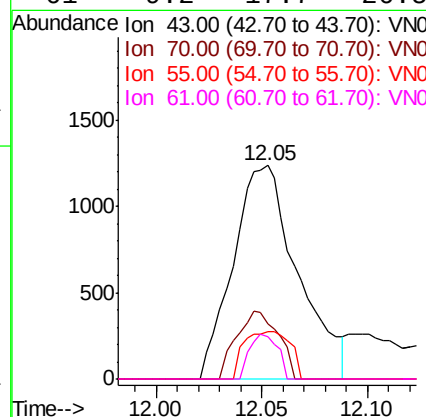
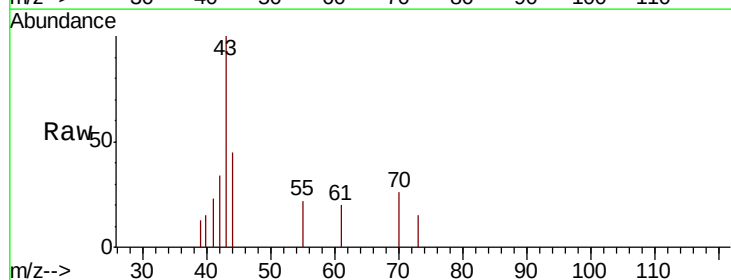
Manual Integrations
APPROVED

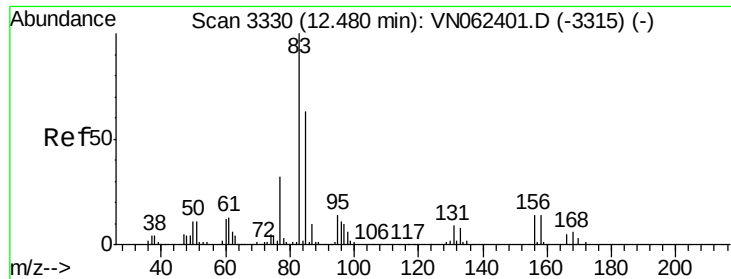
MMDadoda
7/13/2020 11:19:09 AM



#74
N-ethyl acetate
Concen: 0.631 ug/l
RT: 12.05 min Scan# 3197
Delta R.T. 0.01 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

Tgt Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
70 20.5 30.0 45.0#
55 15.8 18.2 27.4#
61 9.2 17.7 26.5#





#75

1,1,2,2-Tetrachloroethane

Concen: 0.922 ug/l

RT: 12.48 min Scan# 3330

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

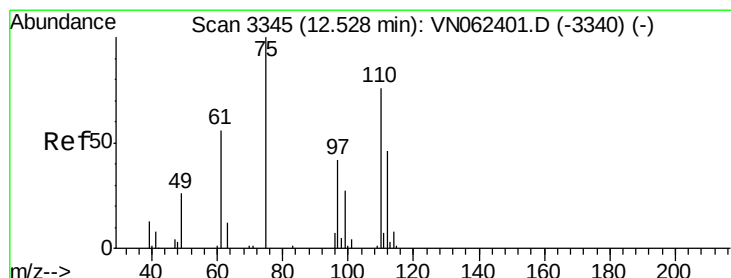
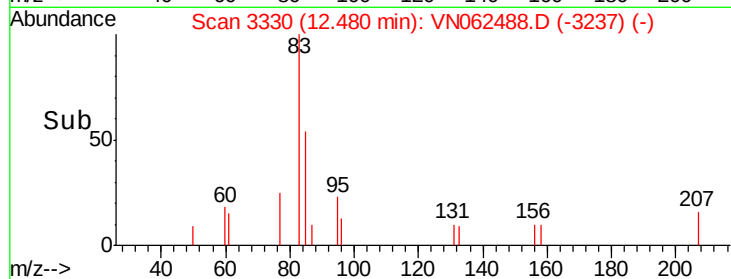
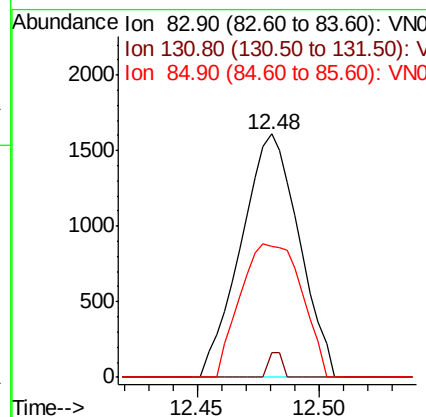
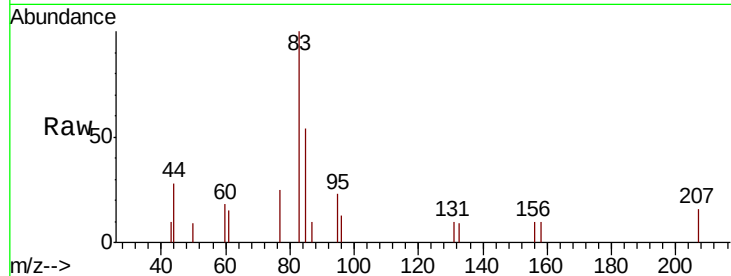
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion	Ratio	Lower	Upper
83	100		
131	2.4	4.5	13.5#
85	58.1	31.9	95.9

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#76

1,2,3-Trichloropropane

Concen: 0.832 ug/l m

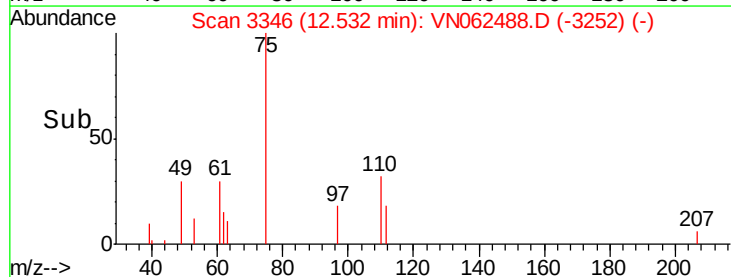
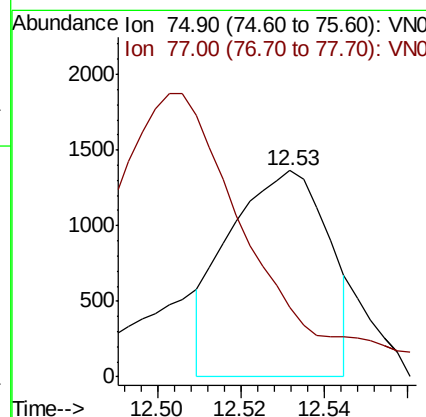
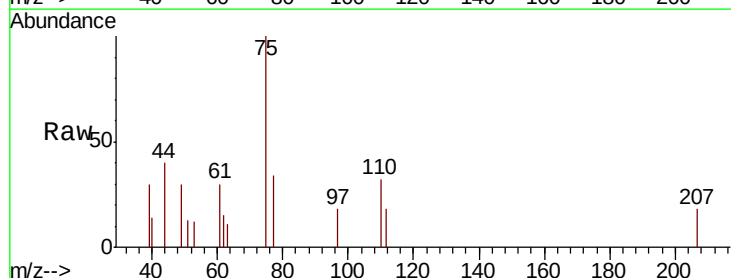
RT: 12.53 min Scan# 3346

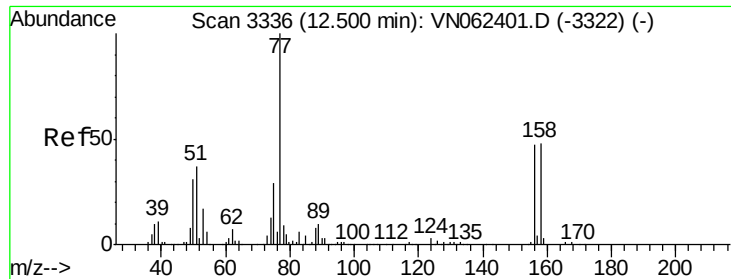
Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 0.855 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

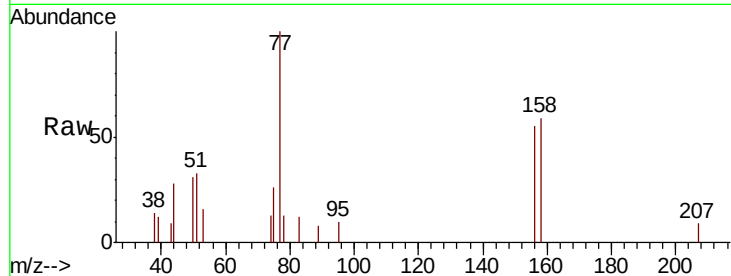
MDL-WATER-03-QT3-2020DL

Tot Ion:156 Resp: 1663

Ion	Ratio	Lower	Upper
156	100		
77	261.9	126.4	379.3
158	114.1	49.8	149.4

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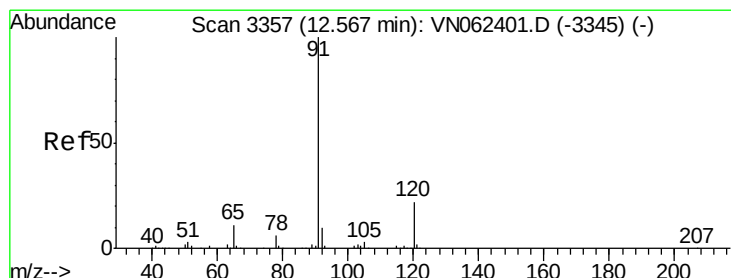
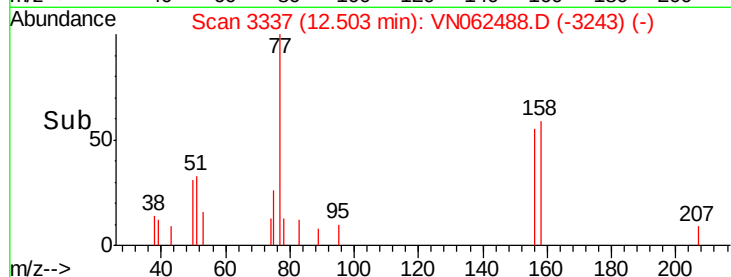
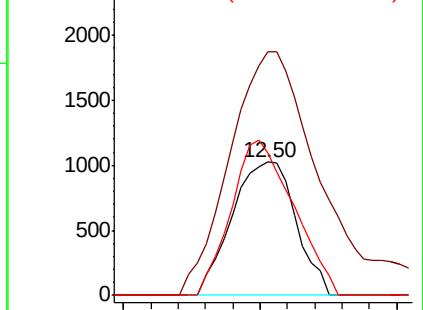
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 0.782 ug/l

RT: 12.57 min Scan# 3357

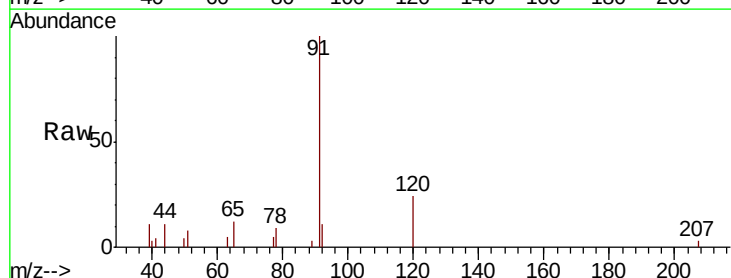
Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

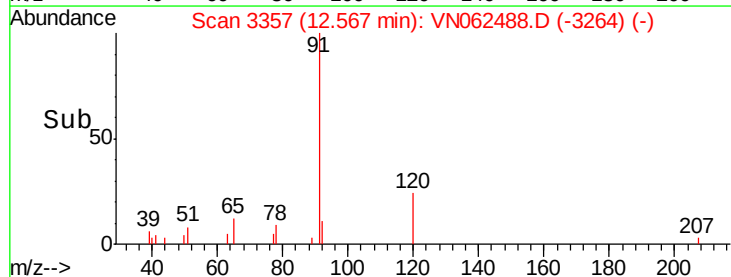
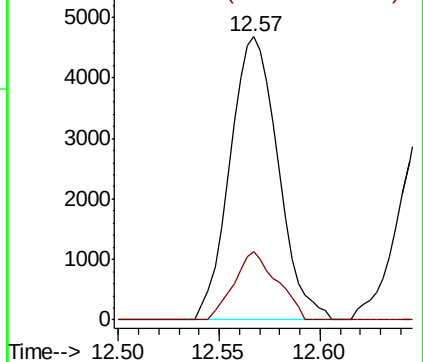
Tgt Ion: 91 Resp: 7810

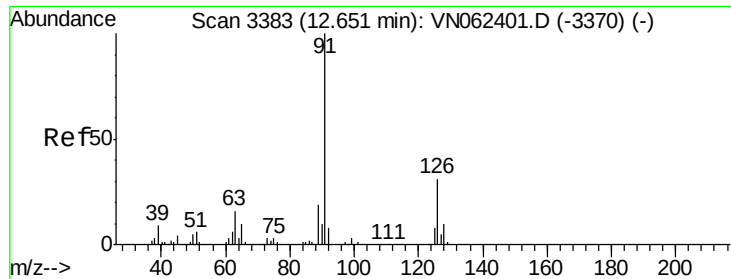
Ion	Ratio	Lower	Upper
91	100		
120	21.6	10.7	32.1



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





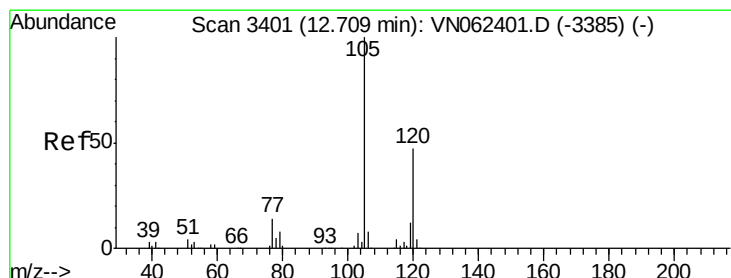
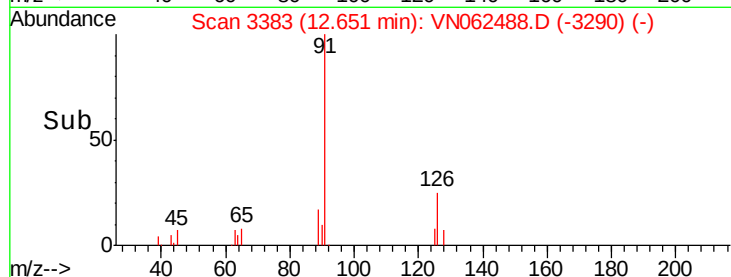
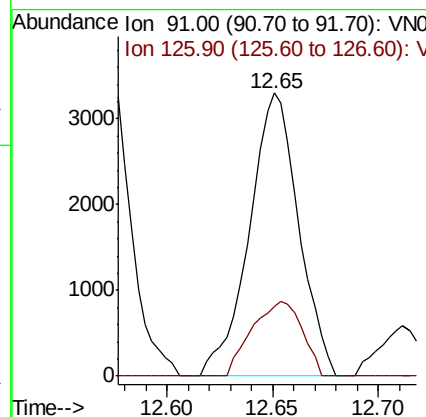
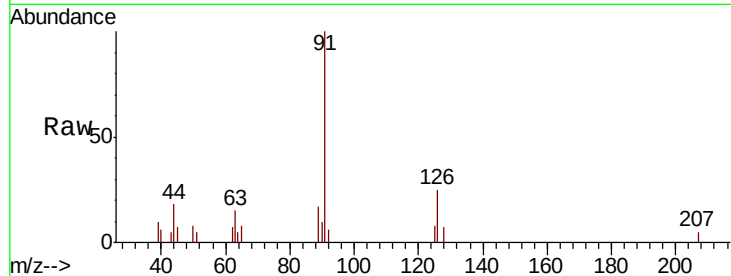
#79
 2-Chlorotoluene
 Concen: 0.885 ug/l
 RT: 12.65 min Scan# 3383
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion: 91 Resp: 5368
 Ion Ratio Lower Upper
 91 100
 126 26.8 15.6 46.7

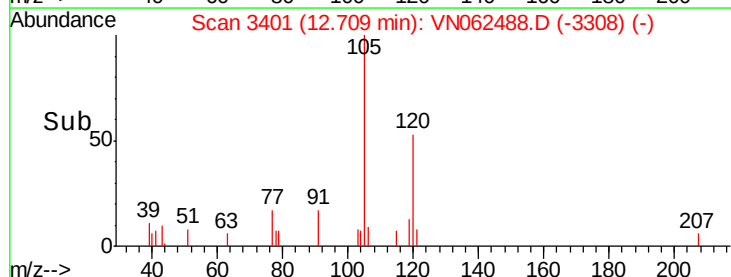
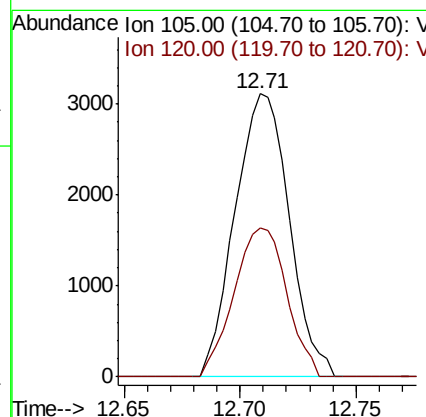
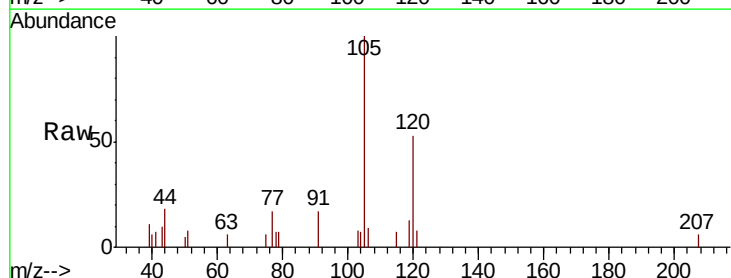
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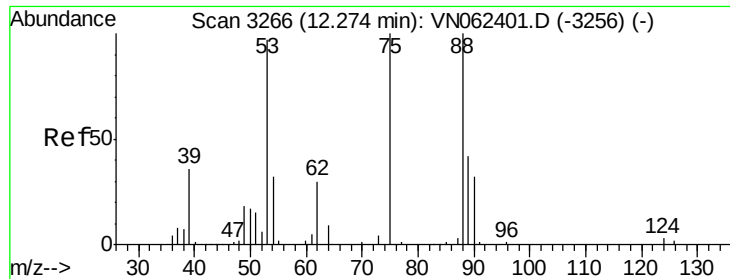
MMDadoda
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#80
 1,3,5-Trimethylbenzene
 Concen: 0.721 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion: 105 Resp: 5054
 Ion Ratio Lower Upper
 105 100
 120 51.2 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 0.723 ug/l m

RT: 12.27 min Scan# 3265

Delta R.T. -0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

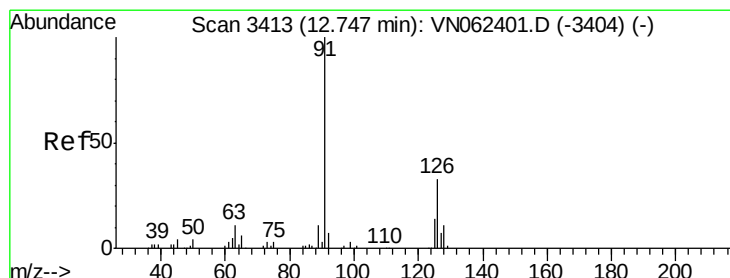
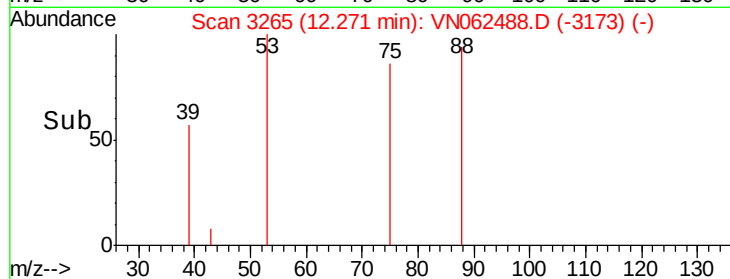
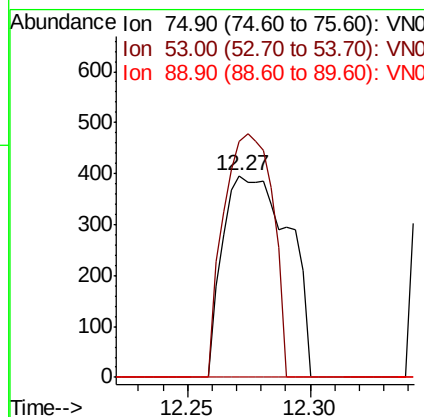
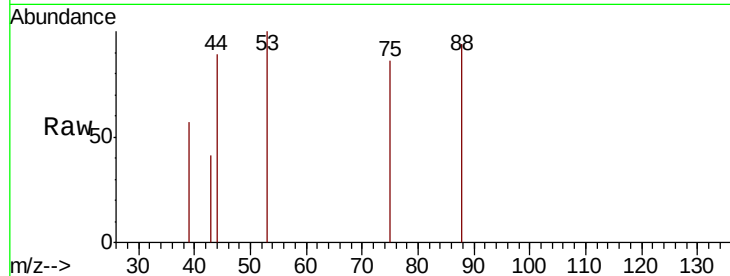
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	75	Resp:	733
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: 0.767 ug/l

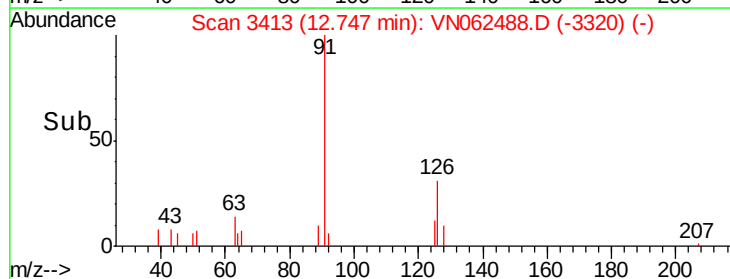
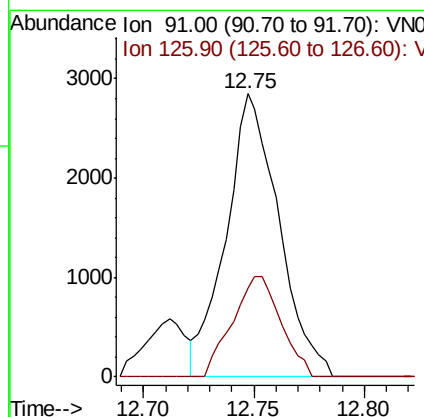
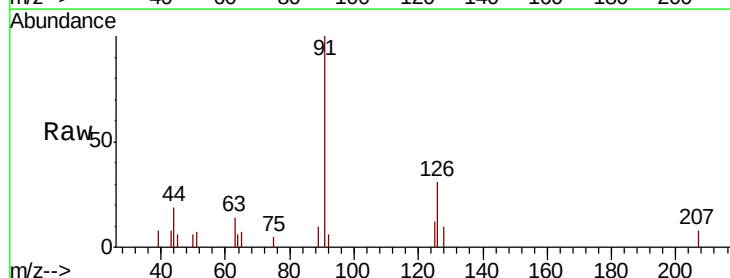
RT: 12.75 min Scan# 3413

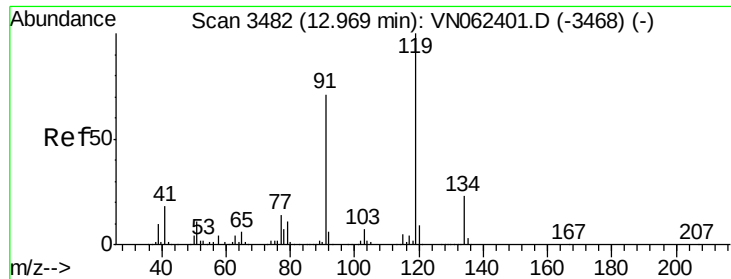
Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	91	Resp:	4720
Ion	Ratio	Lower	Upper
91	100		
126	32.5	15.2	45.6





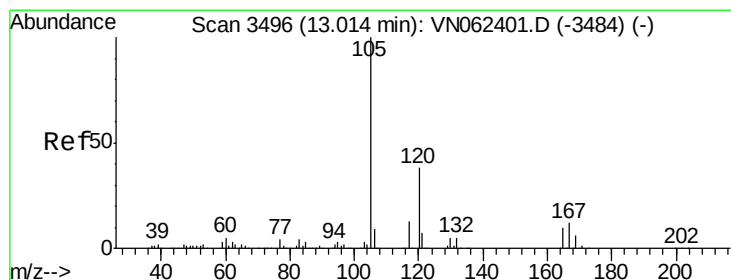
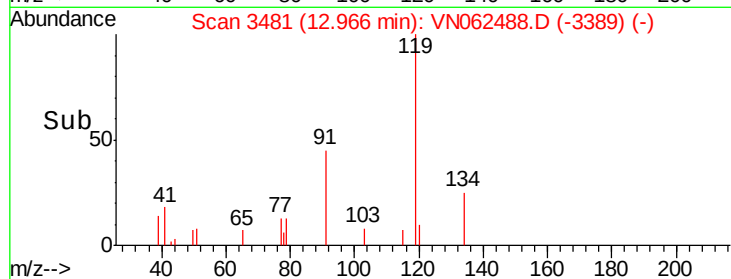
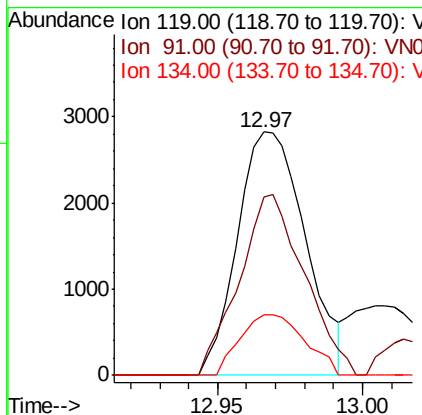
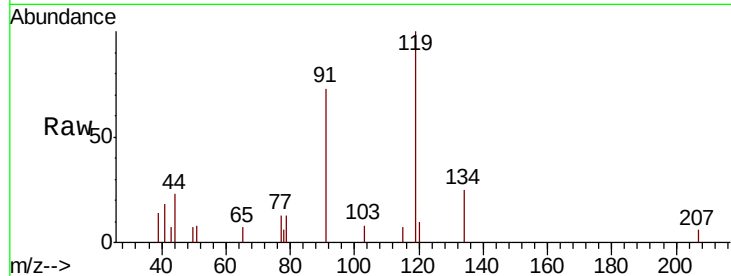
#83
 tert-Butylbenzene
 Concen: 0.773 ug/l
 RT: 12.97 min Scan# 3481
 Delta R.T. -0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion:119 Resp: 4603
 Ion Ratio Lower Upper
 119 100
 91 71.2 34.8 104.3
 134 23.6 11.7 35.0

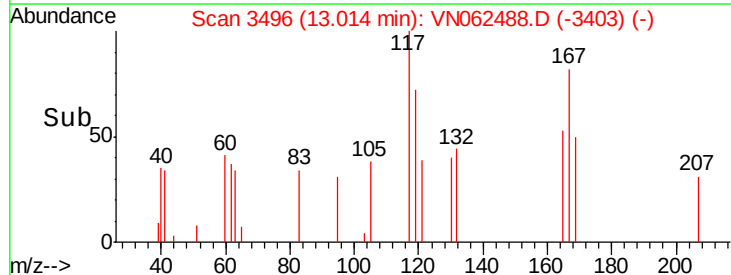
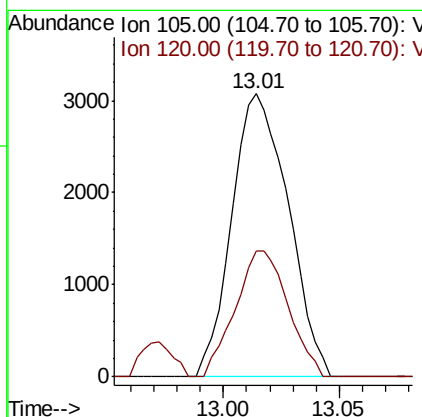
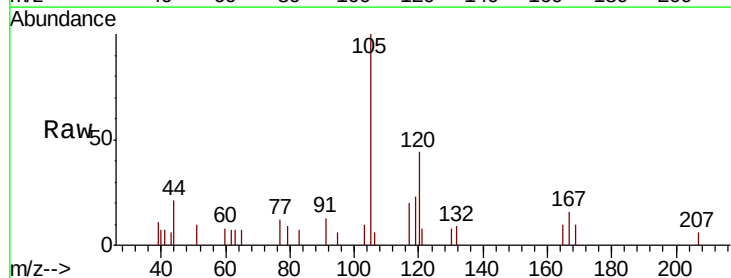
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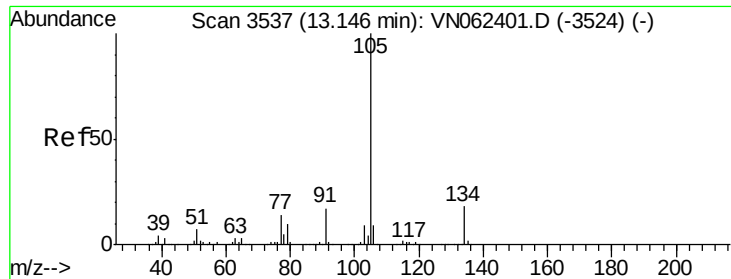
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#84
 1,2,4-Trimethylbenzene
 Concen: 0.746 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion:105 Resp: 5202
 Ion Ratio Lower Upper
 105 100
 120 41.6 21.6 64.8





#85

sec-Butylbenzene

Concen: 0.725 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:105 Resp: 5716

Ion Ratio Lower Upper

105 100

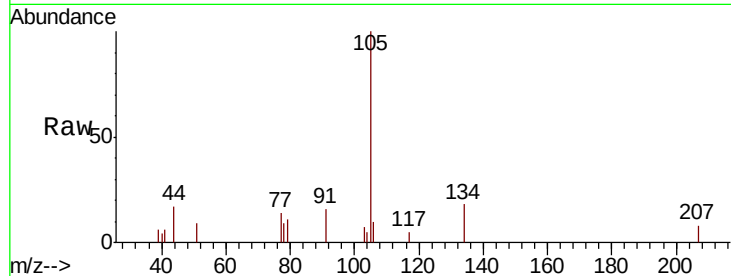
134 17.2 9.3 28.0

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

4000

3000

2000

1000

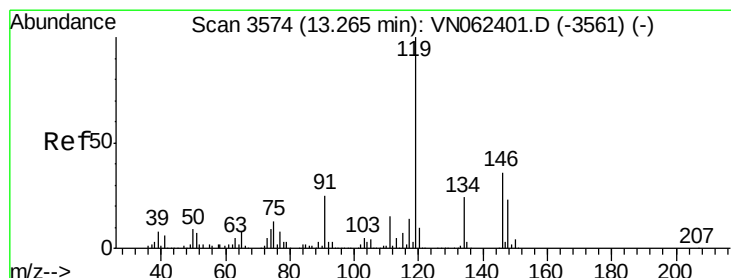
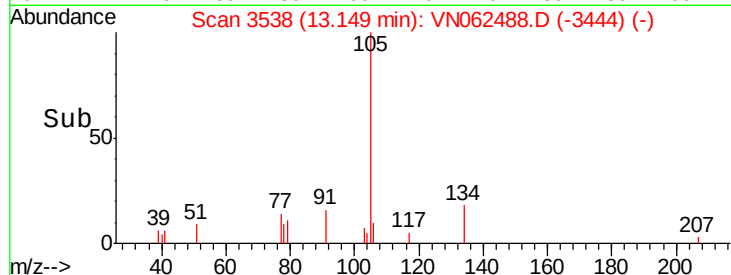
0

Time-->

13.10

13.15

13.20



#86

p-Isopropyltoluene

Concen: 0.663 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

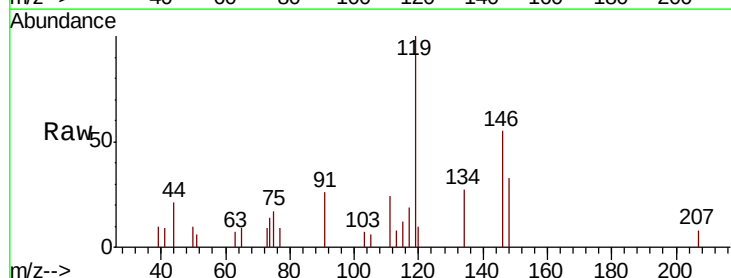
Tgt Ion:119 Resp: 4516

Ion Ratio Lower Upper

119 100

134 24.8 12.4 37.0

91 26.8 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

13.26

4000

3000

2000

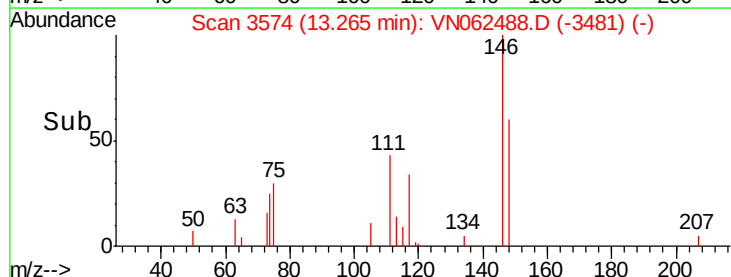
1000

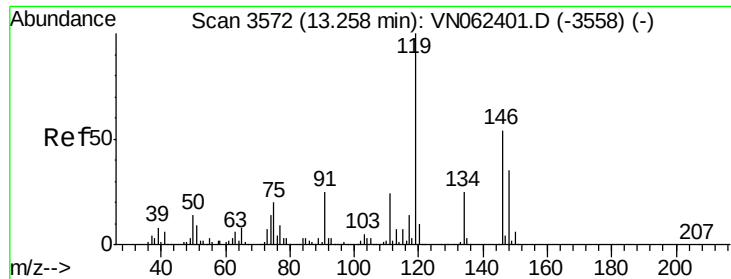
0

Time-->

13.25

13.30





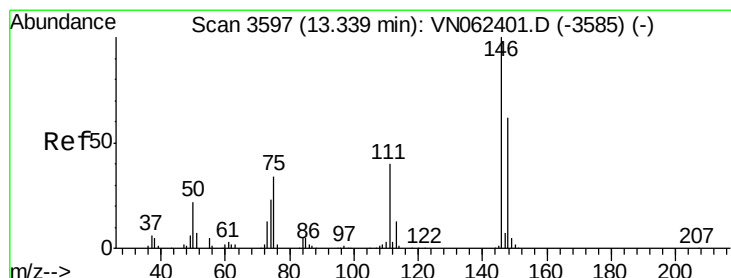
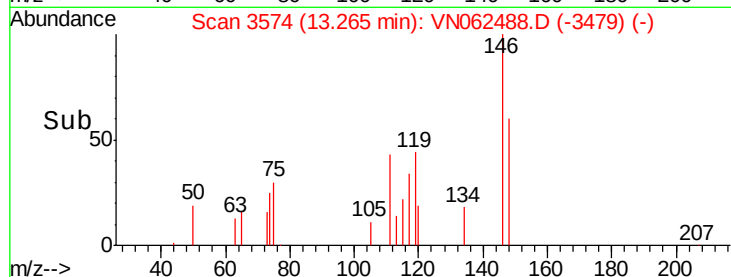
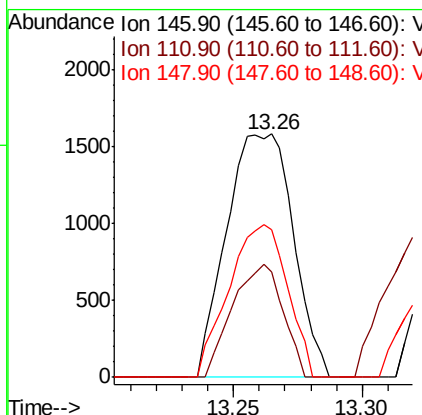
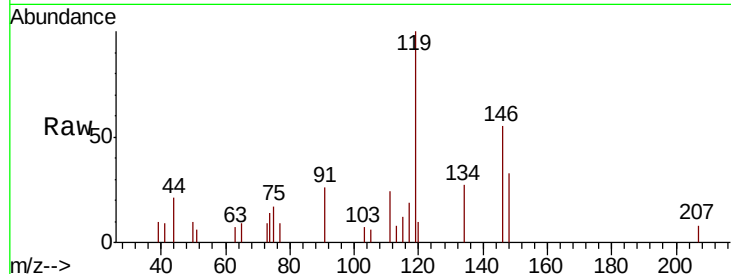
#87
 1,3-Dichlorobenzene
 Concen: 0.850 ug/l
 RT: 13.26 min Scan# 3574
 Delta R.T. 0.01 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
146	100		
111	35.2	21.6	64.6
148	55.2	32.2	96.6

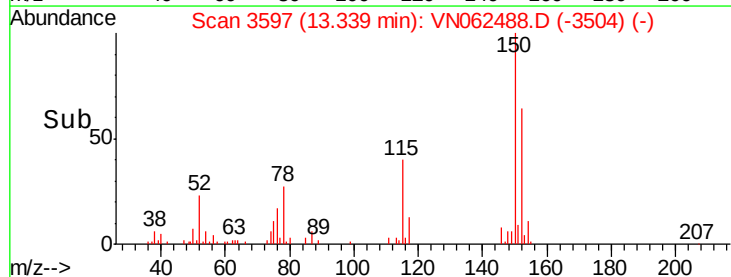
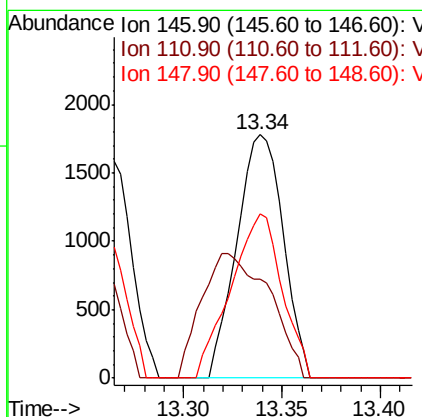
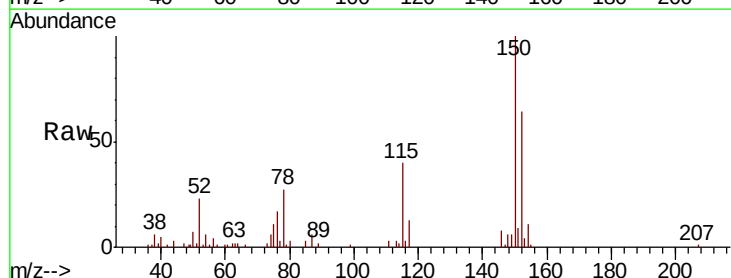
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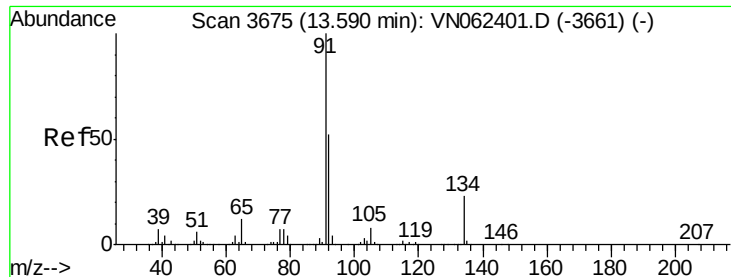
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#88
 1,4-Dichlorobenzene
 Concen: 0.838 ug/l m
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
146	100		
111	34.7	21.1	63.1
148	54.4	31.4	94.2





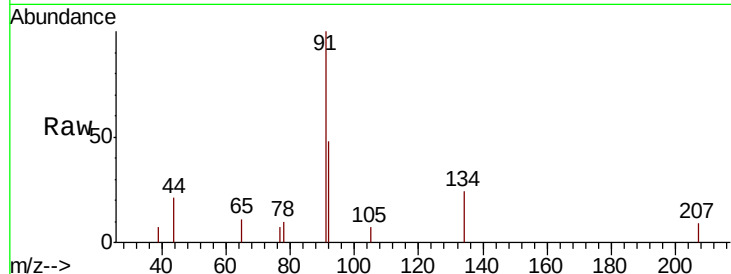
#89
n-Butylbenzene
Concen: 0.705 ug/l
RT: 13.59 min Scan# 3675
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

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

Tot Ion	Ratio	Lower	Upper
91	100		
92	46.4	25.9	77.7
134	22.1	11.6	34.8

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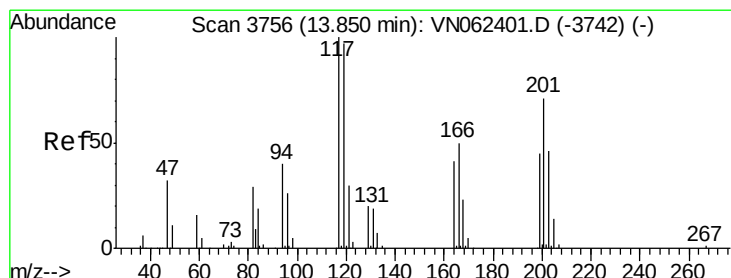
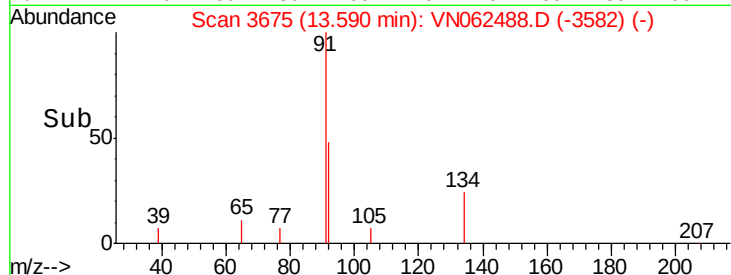
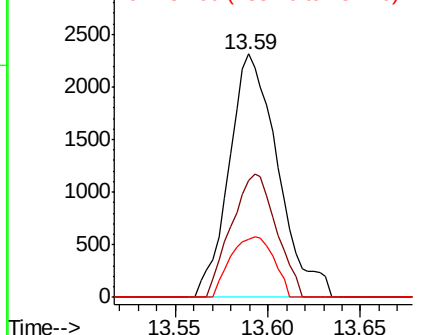


Abundance

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

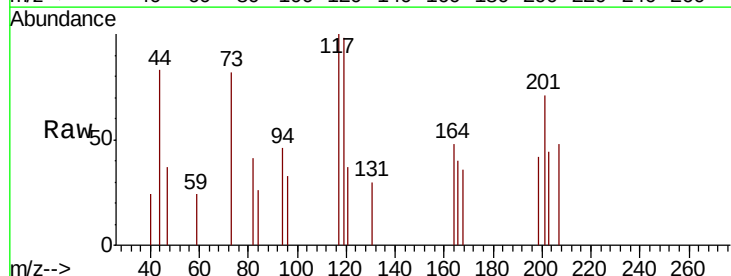
Ion 92.00 (91.70 to 92.70): VN062401.D (-3661) (-)

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



#90
Hexachloroethane
Concen: 0.766 ug/l
RT: 13.85 min Scan# 3756
Delta R.T. 0.00 min
Lab File: VN062488.D
Acq: 10 Jul 2020 13:06

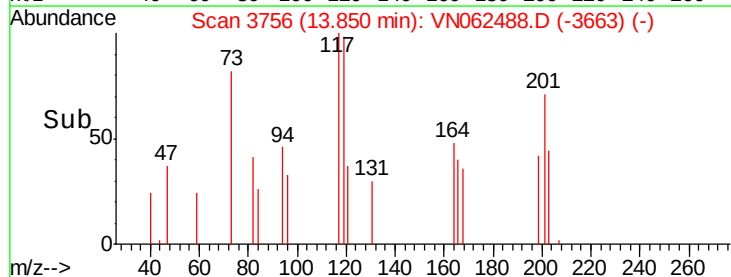
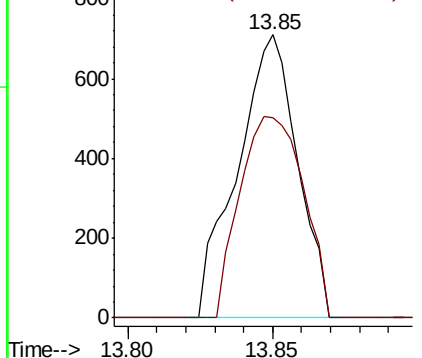
Tgt Ion	Ratio	Lower	Upper
117	100		
201	75.1	35.4	106.2

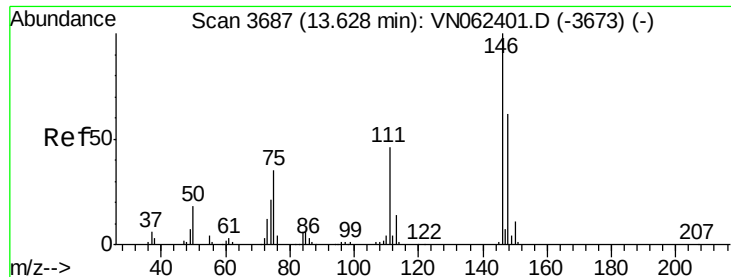


Abundance

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: 0.814 ug/l

RT: 13.63 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

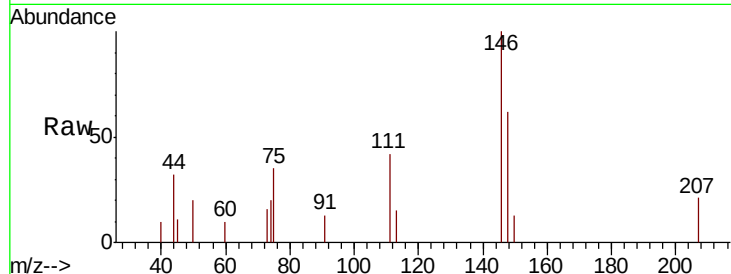
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	146	Resp:	2641
Ion Ratio	Lower	Upper	
146	100		
111	42.0	22.5	67.5
148	62.3	31.4	94.2

Manual Integrations
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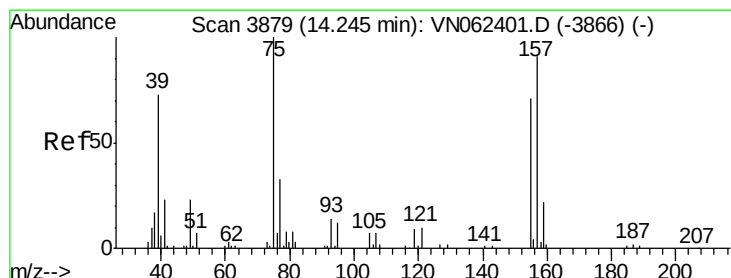
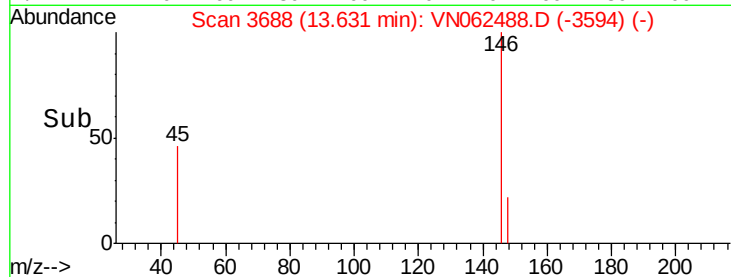
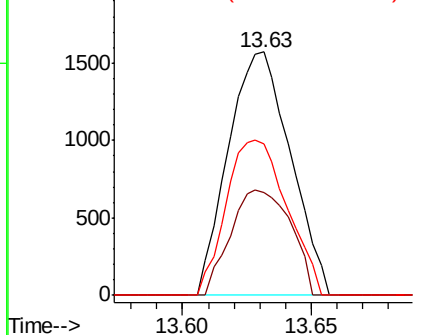


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.684 ug/l

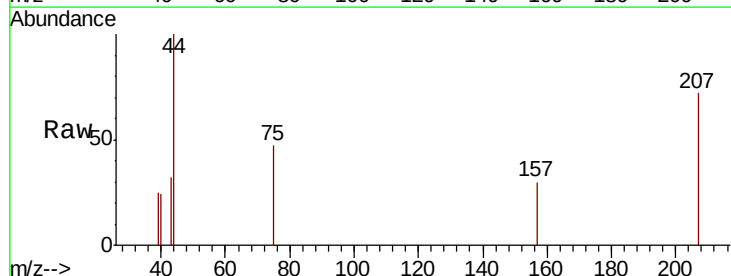
RT: 14.25 min Scan# 3881

Delta R.T. 0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	75	Resp:	359
Ion Ratio	Lower	Upper	
75	100		
155	8.9	35.2	105.6#
157	60.4	45.8	137.3

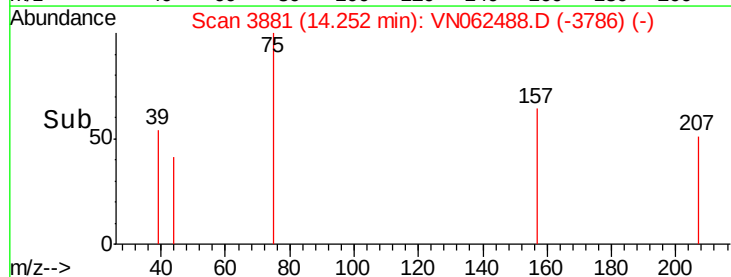
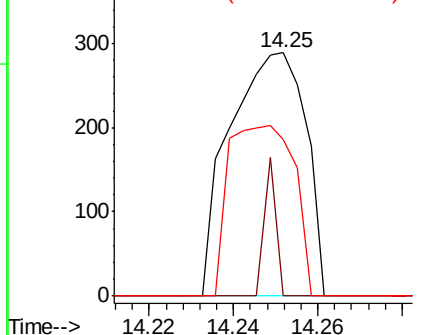


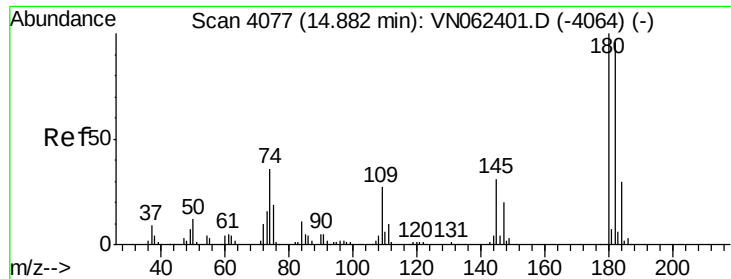
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





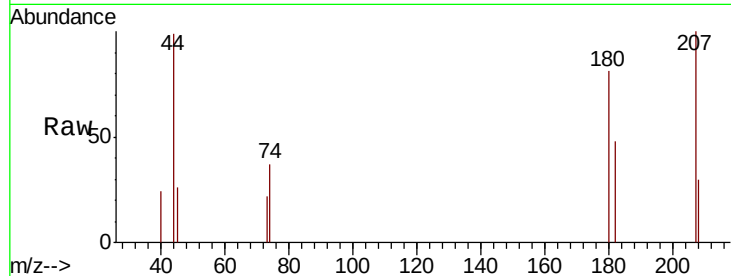
#93
 1,2,4-Trichlorobenzene
 Concen: 0.627 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

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

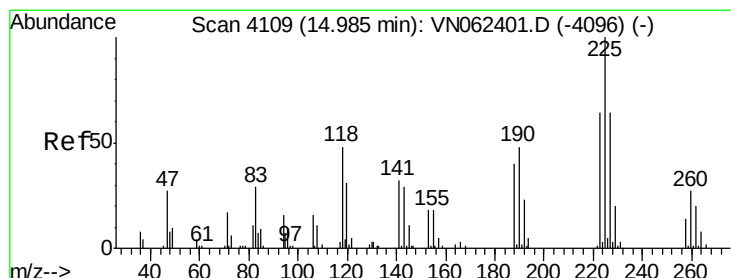
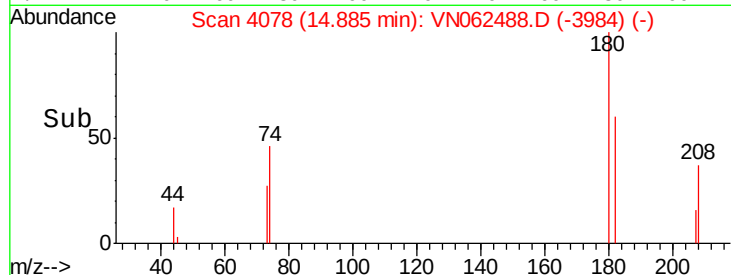
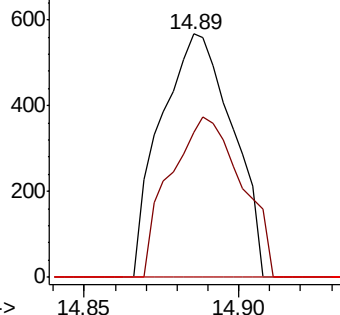
Tot Ion	Ratio	Lower	Upper
180	100		
182	65.8	48.4	145.2
145	0.0	15.5	46.5#

Manual Integrations
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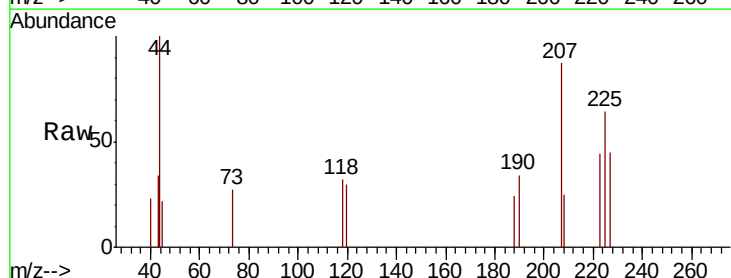


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

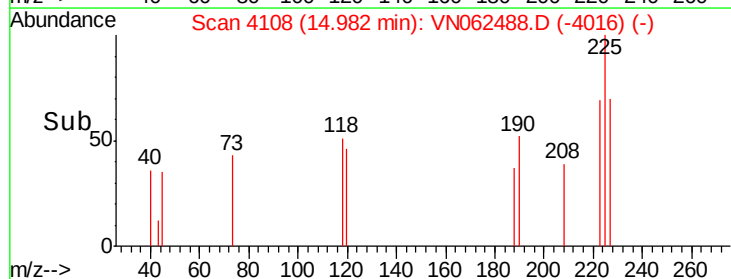
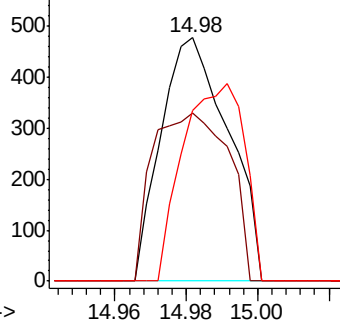


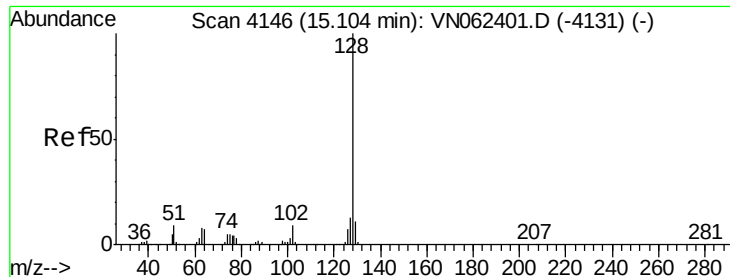
#94
 Hexachlorobutadiene
 Concen: 0.723 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN062488.D
 Acq: 10 Jul 2020 13:06

Tgt Ion	Ratio	Lower	Upper
225	100		
223	78.2	32.3	96.8
227	74.0	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: 0.608 ug/l

RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Instrument :

MSVOA_N

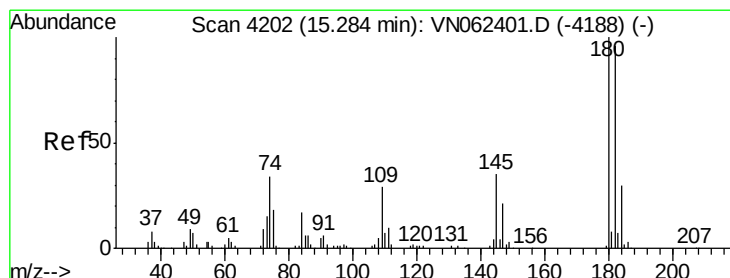
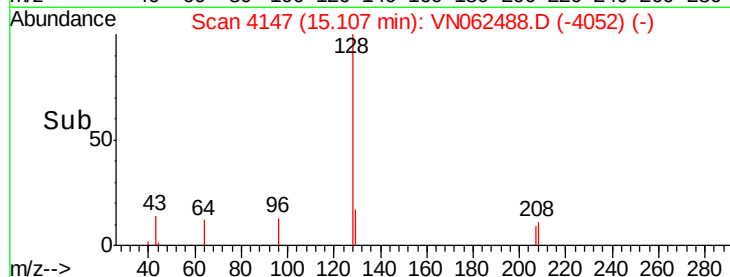
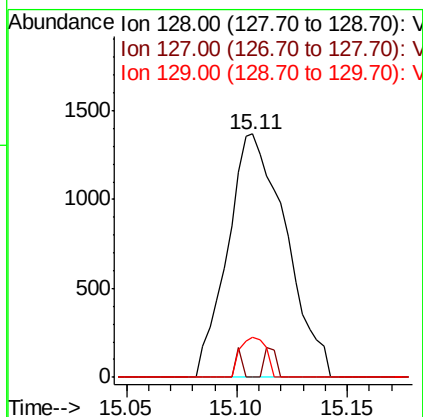
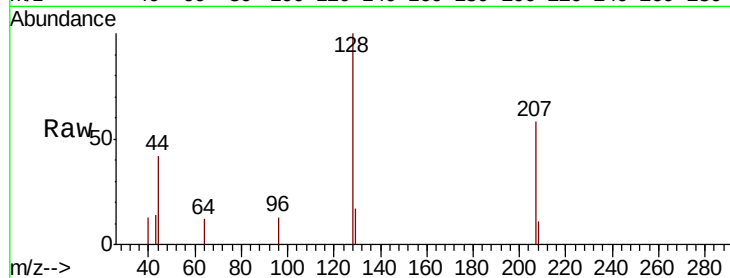
ClientSampleId :

MDL-WATER-03-QT3-2020DL

Tot Ion:	128	Resp:	2508
Ion Ratio	Lower	Upper	
128	100		
127	2.5	10.2	15.2#
129	7.5	8.6	12.8#

Manual Integrations
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#96

1,2,3-Trichlorobenzene

Concen: 0.634 ug/l

RT: 15.29 min Scan# 4204

Delta R.T. 0.01 min

Lab File: VN062488.D

Acq: 10 Jul 2020 13:06

Tgt Ion:	180	Resp:	965
Ion Ratio	Lower	Upper	
180	100		
182	78.5	47.8	143.4
145	13.7	17.0	50.9#

