

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070820\
 Data File : VN062444.D
 Acq On : 9 Jul 2020 7:11
 Operator : JC/MD
 Sample : L3215-13MSD
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 54 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:57 AM

Quant Time: Jul 09 07:38:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N070820W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 02:12:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	213306	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	386534	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	347330	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	151896	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	161954	49.36	ug/l	0.00
Spiked Amount 50.000			Recovery =	98.72%		
35) Dibromofluoromethane	7.55	113	114206	47.80	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.60%		
50) Toluene-d8	10.06	98	449742	47.68	ug/l	0.00
Spiked Amount 50.000			Recovery =	95.36%		
62) 4-Bromofluorobenzene	12.38	95	166458	48.29	ug/l	0.00
Spiked Amount 50.000			Recovery =	96.58%		

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	107354	49.410	ug/l	97
3) Chloromethane	2.04	50	155511	44.607	ug/l	99
4) Vinyl Chloride	2.16	62	137807	48.248	ug/l	99
5) Bromomethane	2.53	94	51607	33.642	ug/l	97
6) Chloroethane	2.67	64	82226	49.428	ug/l	96
7) Trichlorofluoromethane	2.98	101	180245	49.688	ug/l	100
8) Diethyl Ether	3.37	74	84573	52.139	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.72	101	102937	47.869	ug/l	99
10) Methyl Iodide	3.91	142	118865	41.863	ug/l	100
11) Tert butyl alcohol	4.73	59	121712	223.633	ug/l #	85
12) 1,1-Dichloroethene	3.70	96	110427	50.438	ug/l	97
13) Acrolein	3.57	56	34615	88.167	ug/l	96
14) Allyl chloride	4.28	41	199537	38.752	ug/l	91
15) Acrylonitrile	4.93	53	355668	249.176	ug/l	99
16) Acetone	3.78	43	304344	218.491	ug/l	96
17) Carbon Disulfide	4.01	76	341277	49.746	ug/l	100
18) Methyl Acetate	4.28	43	127915	36.798	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	432250	52.074	ug/l	100
20) Methylene Chloride	4.50	84	137645	46.217	ug/l	94
21) trans-1,2-Dichloroethene	4.99	96	119079	50.205	ug/l	98
22) Diisopropyl ether	5.90	45	511153	50.246	ug/l	96
23) Vinyl Acetate	5.84	43	1662995	197.337	ug/l	100
24) 1,1-Dichloroethane	5.80	63	264454	50.307	ug/l	100
25) 2-Butanone	6.79	43	488487	240.126	ug/l	99
26) 2,2-Dichloropropane	6.78	77	78904	19.576	ug/l	93
27) cis-1,2-Dichloroethene	6.78	96	143040	52.066	ug/l	91
28) Bromochloromethane	7.15	49	133048	46.586	ug/l	96
29) Tetrahydrofuran	7.17	42	337618	246.509	ug/l	99
30) Chloroform	7.33	83	246105	51.851	ug/l	97
31) Cyclohexane	7.61	56	284835	57.156	ug/l	94
32) 1,1,1-Trichloroethane	7.53	97	200260	50.723	ug/l	99
36) 1,1-Dichloropropene	7.75	75	185358	47.598	ug/l	98
37) Ethyl Acetate	6.88	43	170376	37.416	ug/l	99
38) Carbon Tetrachloride	7.73	117	169579	48.436	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	241681	58.131	ug/l	100
40) Benzene	8.00	78	562918	49.046	ug/l	100
41) Methacrylonitrile	7.14	41	103897m	54.610	ug/l	
42) 1,2-Dichloroethane	8.09	62	209349	49.815	ug/l	92
43) Isopropyl Acetate	8.12	43	379639	52.776	ug/l	95
44) Trichloroethene	8.80	130	127144	49.929	ug/l	96
45) 1,2-Dichloropropane	9.09	63	163995	49.221	ug/l	100
46) Dibromomethane	9.18	93	93008	49.467	ug/l	100
47) Bromodichloromethane	9.37	83	198580	49.400	ug/l	98
48) Methyl methacrylate	9.17	41	164667	46.666	ug/l	97
49) 1,4-Dioxane	9.17	88	47230	919.596	ug/l	100
51) 4-Methyl-2-Pentanone	9.95	43	1055038	245.557	ug/l	99
52) Toluene	10.12	92	328867	49.607	ug/l	100
53) t-1,3-Dichloropropene	10.35	75	198899	44.164	ug/l	100
54) cis-1,3-Dichloropropene	9.81	75	211457	42.555	ug/l	99
55) 1,1,2-Trichloroethane	10.53	97	134370	51.534	ug/l	99
56) Ethyl methacrylate	10.40	69	229883	47.979	ug/l	99
57) 1,3-Dichloropropane	10.68	76	242998	50.445	ug/l	100
59) 2-Hexanone	10.72	43	764832	245.205	ug/l	98
60) Dibromochloromethane	10.87	129	141604	50.088	ug/l	99
61) 1,2-Dibromoethane	10.98	107	135375	51.433	ug/l	99
64) Tetrachloroethene	10.60	164	94424	45.814	ug/l	98
65) Chlorobenzene	11.41	112	338981	50.216	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.48	131	123273	49.520	ug/l	98
67) Ethyl Benzene	11.48	91	889138	70.170	ug/l	98
68) m/p-Xylenes	11.60	106	460336	102.623	ug/l	99
69) o-Xylene	11.92	106	252907	57.907	ug/l	97
70) Stvrene	11.94	104	393521	54.518	ug/l	100
71) Bromoform	12.10	173	94311	51.681	ug/l #	97
73) Isopropylbenzene	12.22	105	1797937	152.963	ug/l	99
74) N-amyl acetate	12.04	43	259911	45.431	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.48	83	199664	50.521	ug/l	100
76) 1,2,3-Trichloropropane	12.53	75	181700m	48.752	ug/l	
77) Bromobenzene	12.50	156	184052	68.877	ug/l	59
78) n-propylbenzene	12.57	91	2123203	154.640	ug/l	99
79) 2-Chlorotoluene	12.65	91	498926	59.873	ug/l	90
80) 1,3,5-Trimethylbenzene	12.71	105	757042	78.566	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.27	75	35832	25.733	ug/l	97
82) 4-Chlorotoluene	12.75	91	420593	49.716	ug/l	99
83) tert-Butylbenzene	12.97	119	335059	40.975	ug/l	96
84) 1,2,4-Trimethylbenzene	13.01	105	6227364	650.195	ug/l	80
85) sec-Butylbenzene	13.15	105	484894	44.750	ug/l	95
86) p-Isopropyltoluene	13.27	119	617720	66.052	ug/l	94
87) 1,3-Dichlorobenzene	13.26	146	221324	48.011	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	220545	46.496	ug/l	98
89) n-Butylbenzene	13.59	91	513656	62.204	ug/l #	78
90) Hexachloroethane	13.86	117	208617	113.400	ug/l #	39
91) 1,2-Dichlorobenzene	13.63	146	216984	48.682	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.24	75	49604	68.777	ug/l	84
93) 1,2,4-Trichlorobenzene	14.88	180	105513	49.861	ug/l	95

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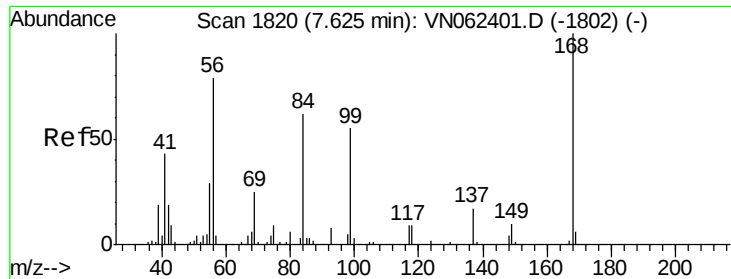
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	14.99	225	26137	22.086	ug/l	97
95) Naphthalene	15.11	128	12151362	698.349	ug/l #	46
96) 1,2,3-Trichlorobenzene	15.28	180	106209	44.624	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

Tot Ion:168 Resp: 213306

Ion Ratio Lower Upper

168 100

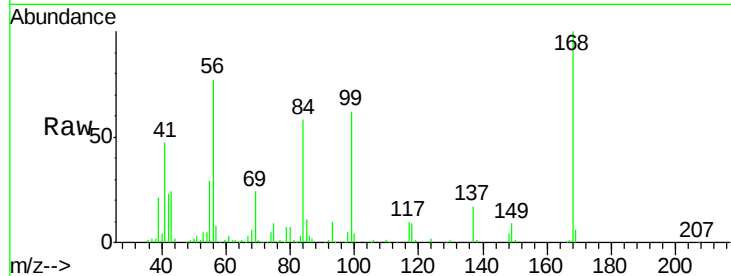
99 61.7 48.8 73.2

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

100000

80000

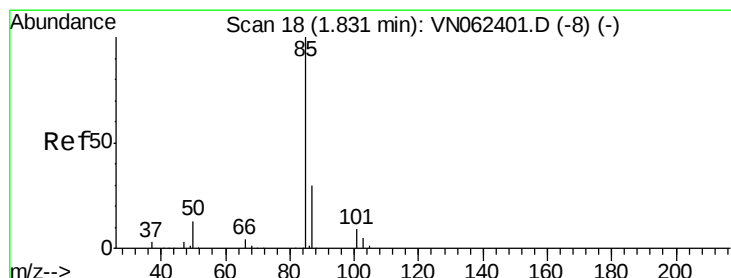
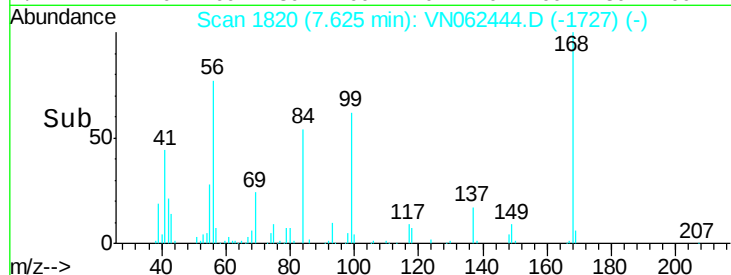
60000

40000

20000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 49.410 ug/l

RT: 1.83 min Scan# 18

Delta R.T. 0.00 min

Lab File: VN062444.D

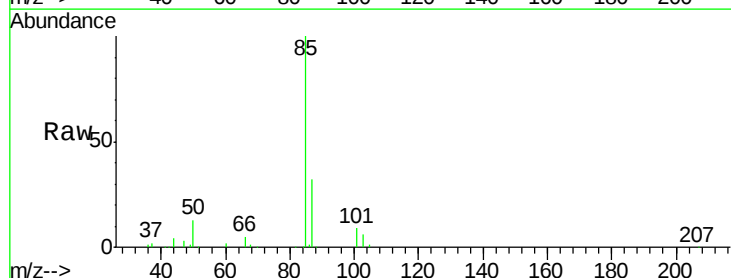
Acq: 9 Jul 2020 7:11

Tgt Ion: 85 Resp: 107354

Ion Ratio Lower Upper

85 100

87 32.0 15.2 45.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

80000

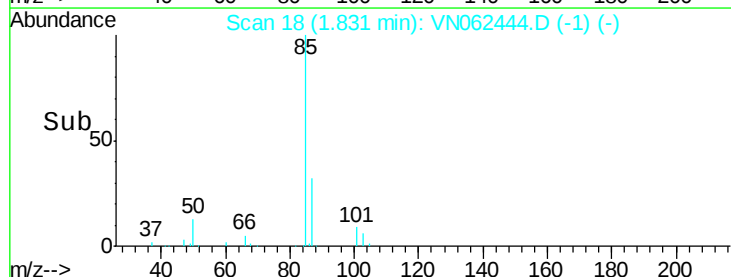
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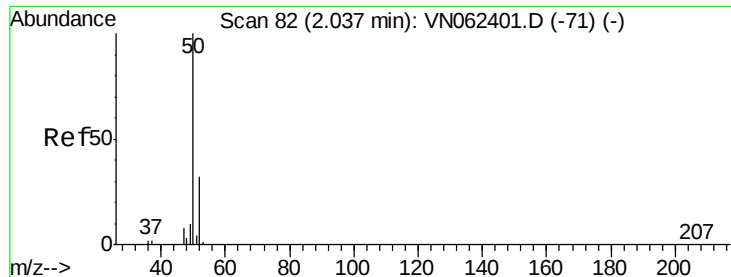
40000

20000

0

Time--> 1.75 1.80 1.85 1.90





#3

Chloromethane

Concen: 44.607 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 50 Resp: 155511

Ion Ratio Lower Upper

50 100

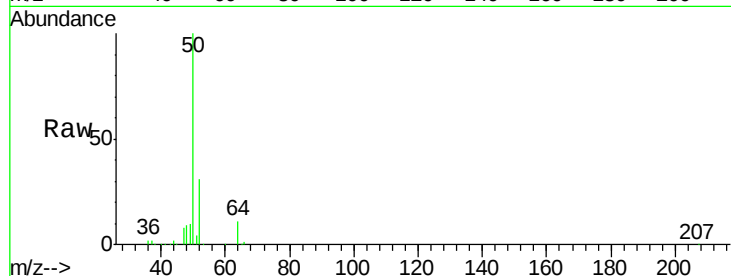
52 31.4 25.5 38.3

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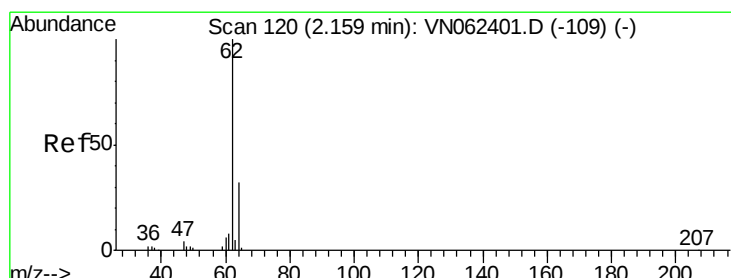
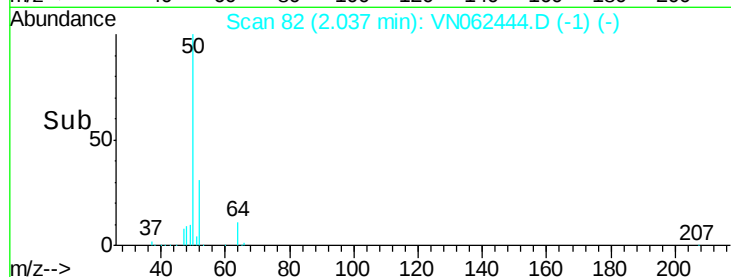
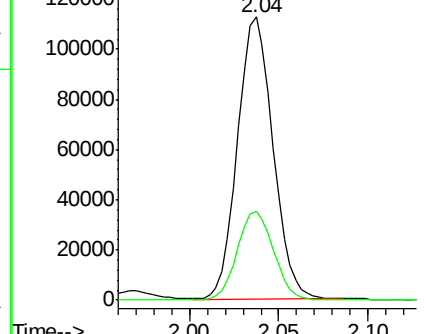
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Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



#4

Vinyl Chloride

Concen: 48.248 ug/l

RT: 2.16 min Scan# 120

Delta R.T. 0.00 min

Lab File: VN062444.D

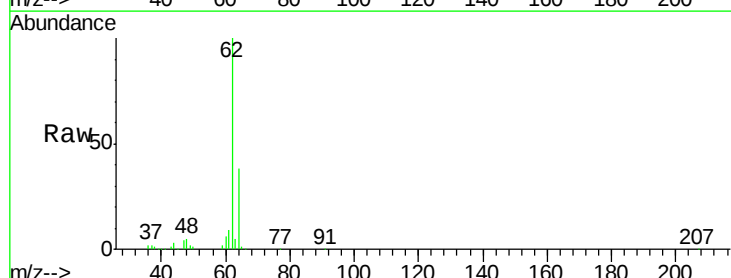
Acq: 9 Jul 2020 7:11

Tgt Ion: 62 Resp: 137807

Ion Ratio Lower Upper

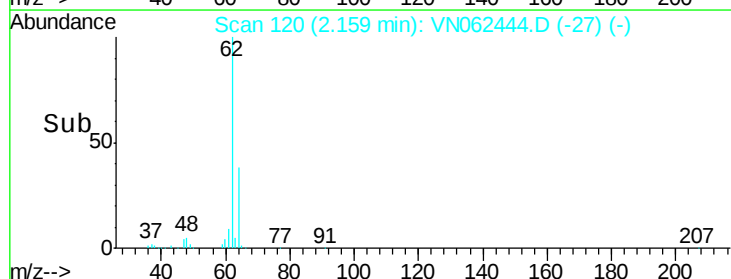
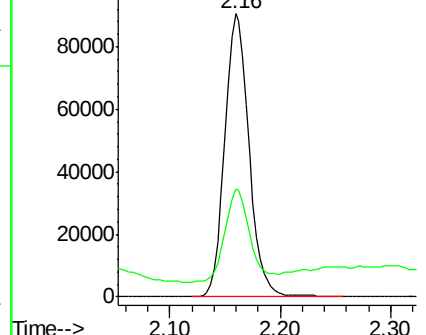
62 100

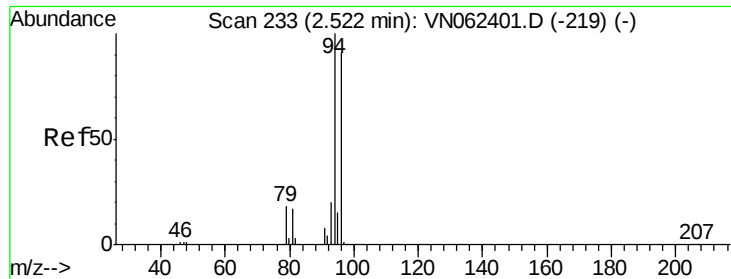
64 32.6 25.7 38.5



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 63.90 (63.60 to 64.60): VN0





#5

Bromomethane

Concen: 33.642 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.01 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

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ClientSampled :

MW-14MSD

Tot Ion: 94 Resp: 51607

Ion Ratio Lower Upper

94 100

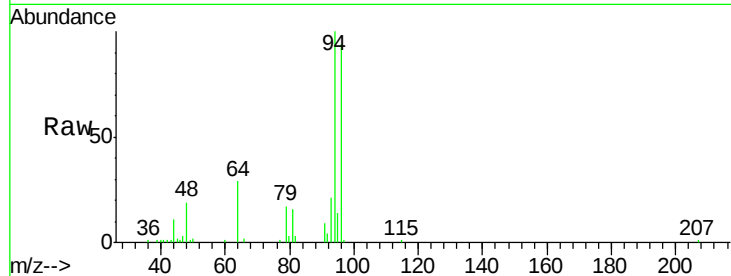
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Manual Integrations

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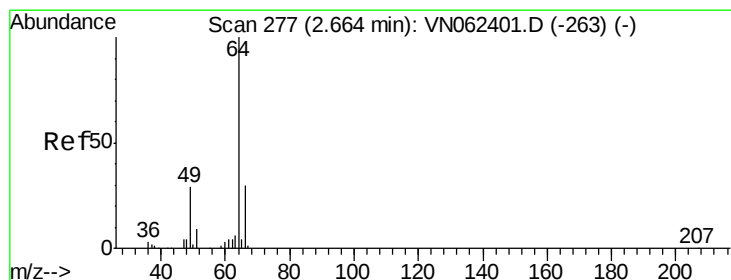
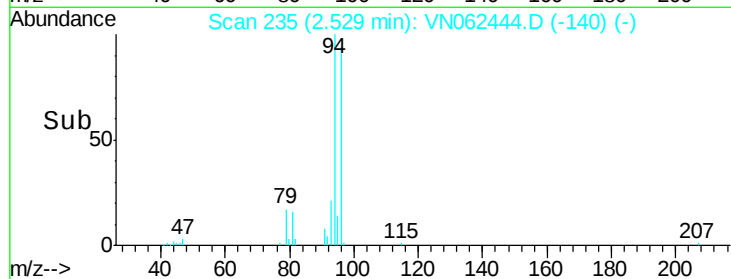
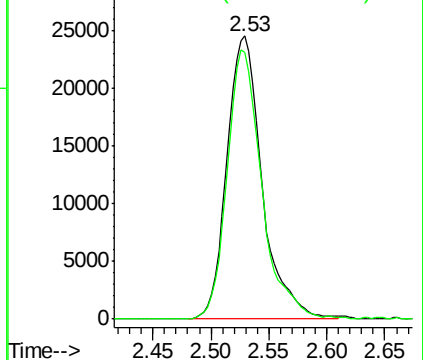
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.428 ug/l

RT: 2.67 min Scan# 278

Delta R.T. 0.00 min

Lab File: VN062444.D

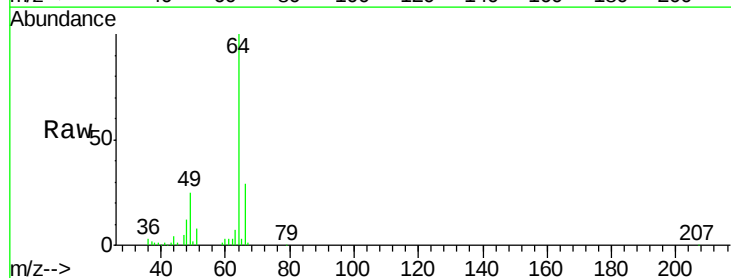
Acq: 9 Jul 2020 7:11

Tgt Ion: 64 Resp: 82226

Ion Ratio Lower Upper

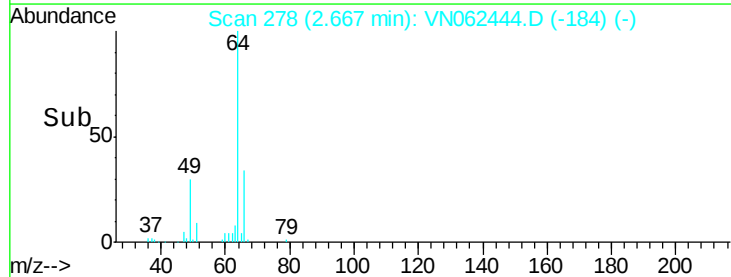
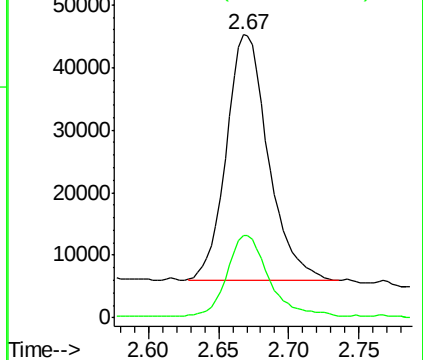
64 100

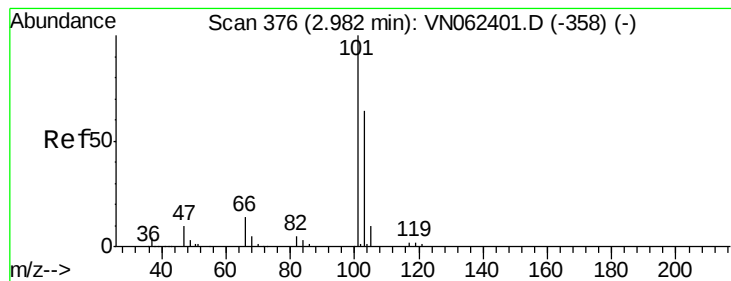
66 32.6 24.2 36.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

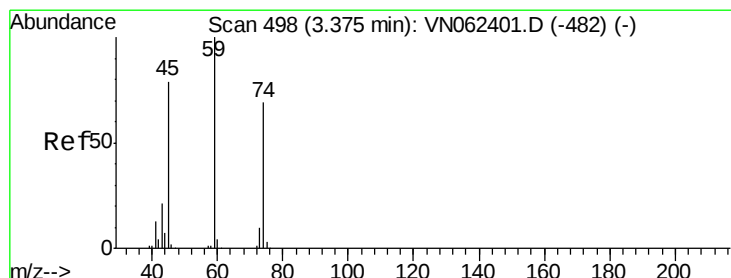
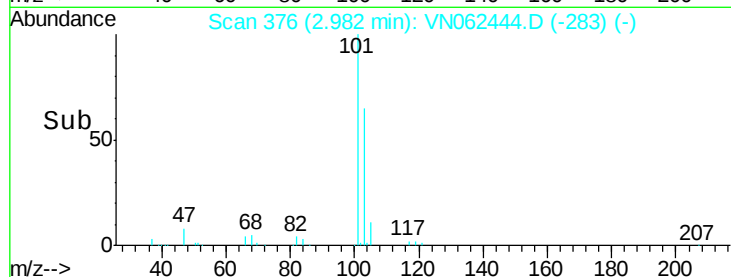
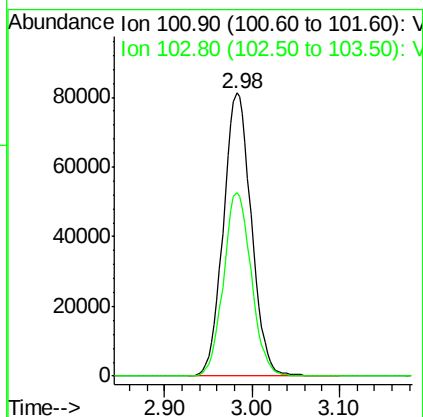
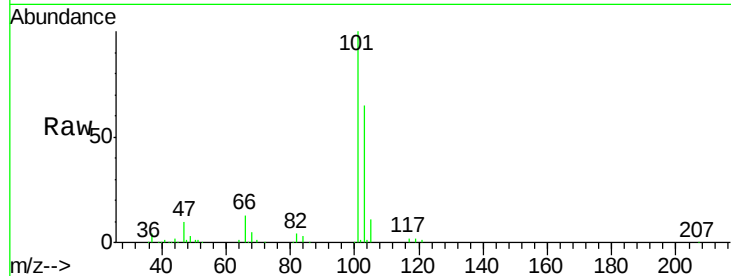
Trichlorofluoromethane
Concen: 49.688 ug/l
RT: 2.98 min Scan# 376
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
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Tot Ion	Ratio	Lower	Upper
101	100		
103	64.8	51.6	77.4

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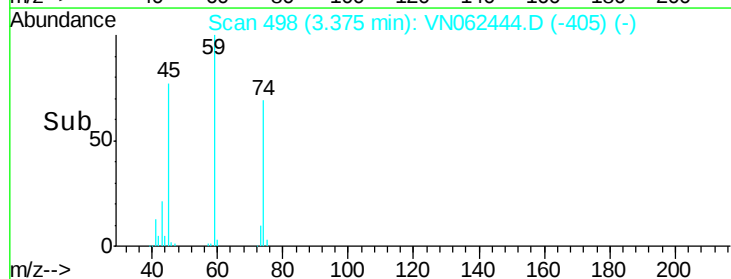
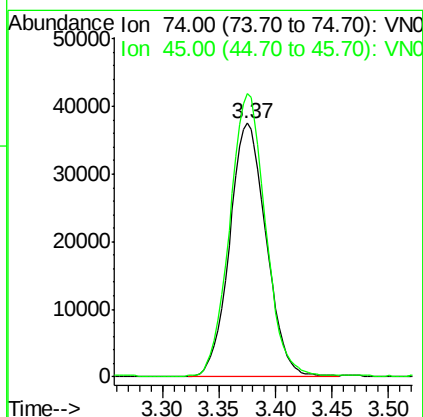
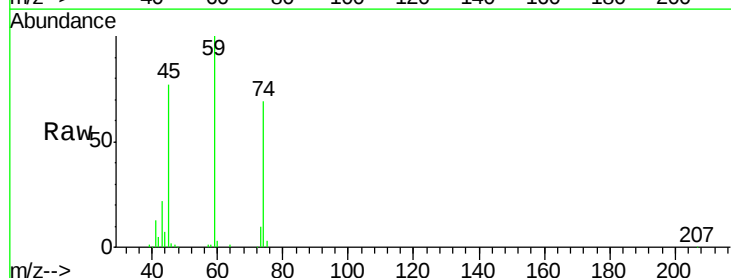
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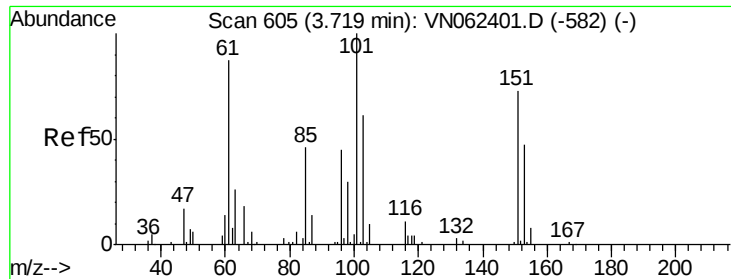


#8

Diethyl Ether
Concen: 52.139 ug/l
RT: 3.37 min Scan# 498
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
74	100		
45	110.1	58.5	175.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.869 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN062444.D

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Instrument :

MSVOA_N

ClientSampleId :

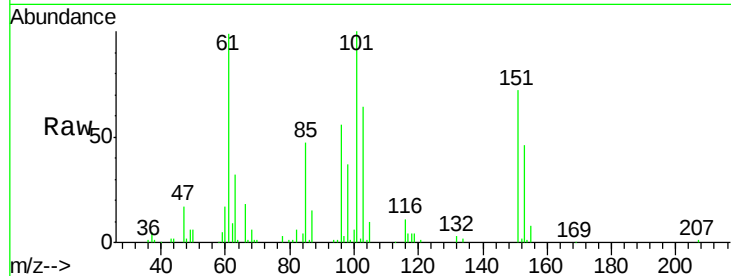
MW-14MSD

Tot Ion	Ratio	Resp	Lower	Upper
101	100	102937		

85	46.3	36.7	55.1
151	72.0	58.3	87.5

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APPROVED

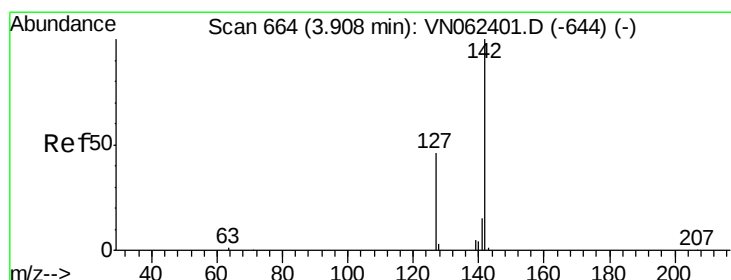
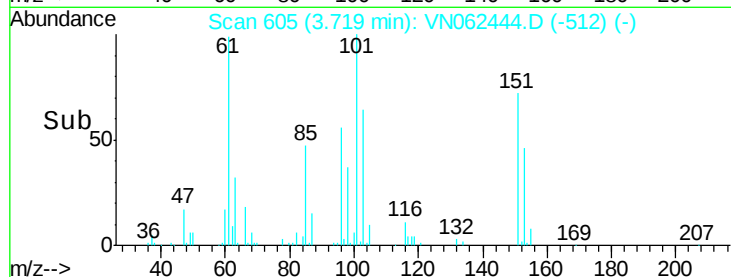
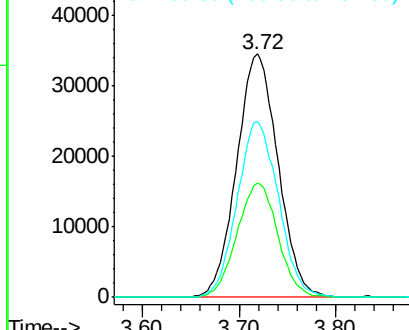
MMDadoda
7/9/2020 10:58:57 AM



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 41.863 ug/l

RT: 3.91 min Scan# 665

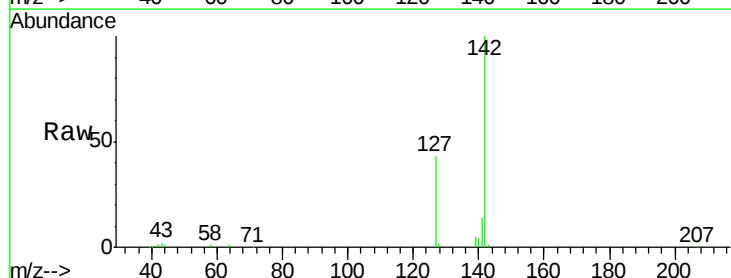
Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
142	100	118865		

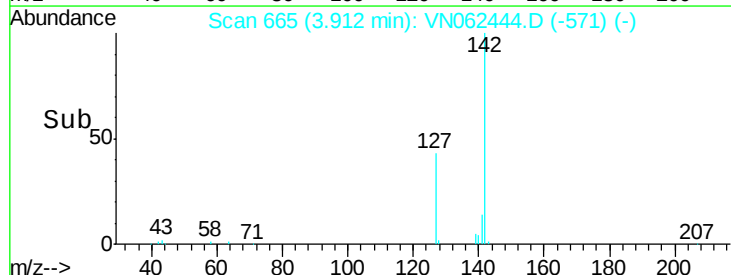
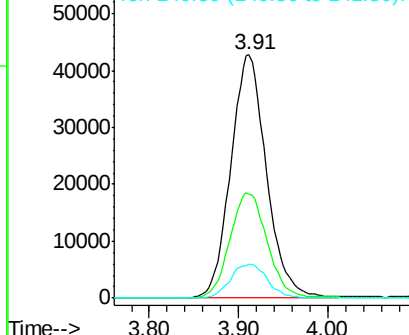
127	45.3	36.1	54.1
141	14.4	11.4	17.0

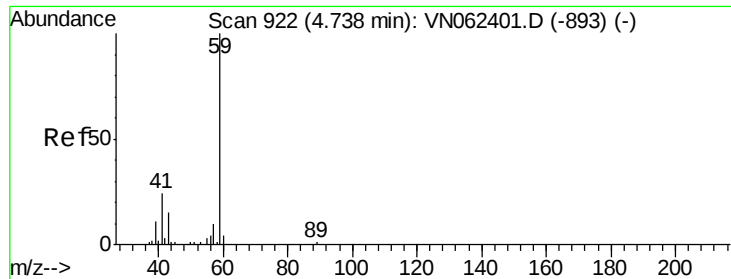


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





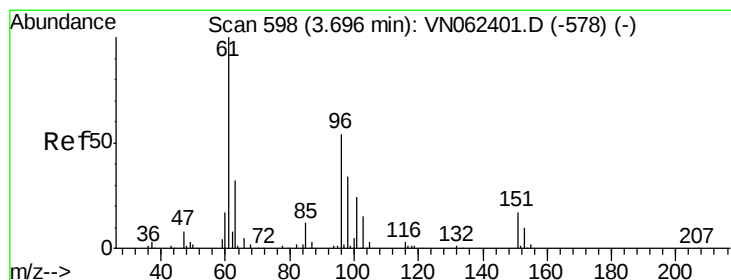
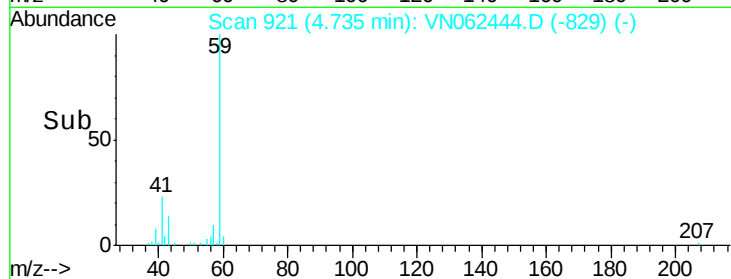
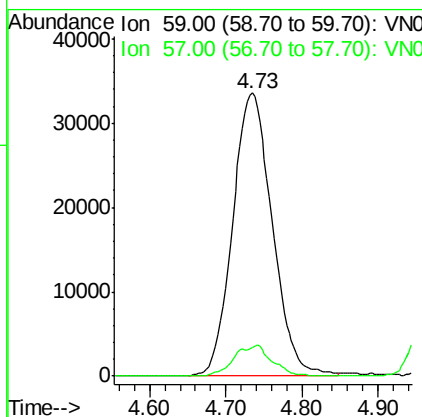
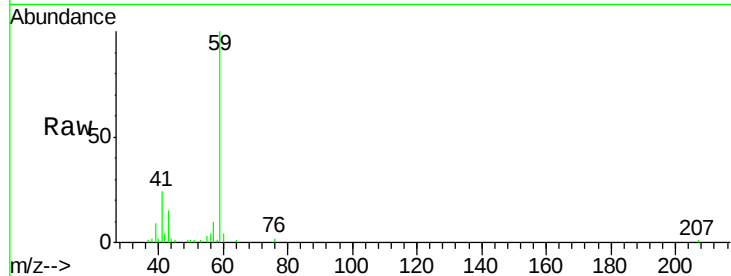
#11
Tert butyl alcohol
Concen: 223.633 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	Ratio	Resp	Lower	Upper
59	100	121712		
57	4.2		7.8	11.6#

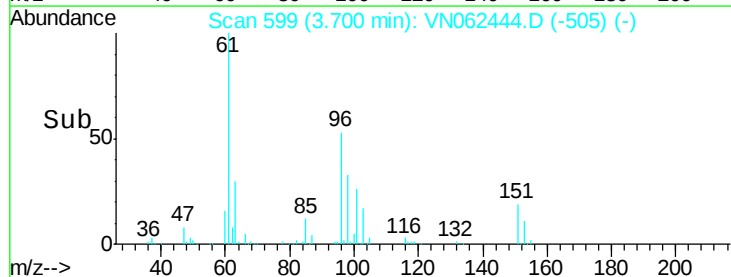
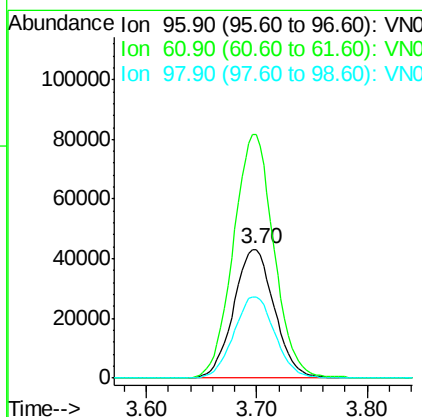
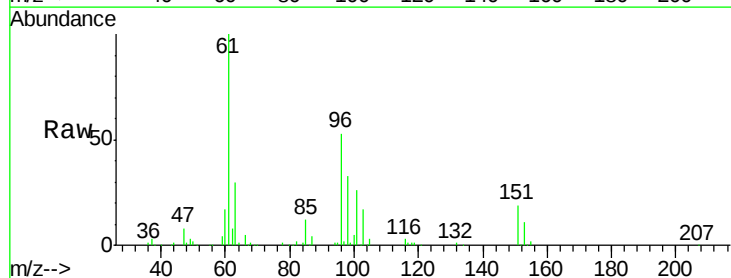
Manual Integrations
APPROVED

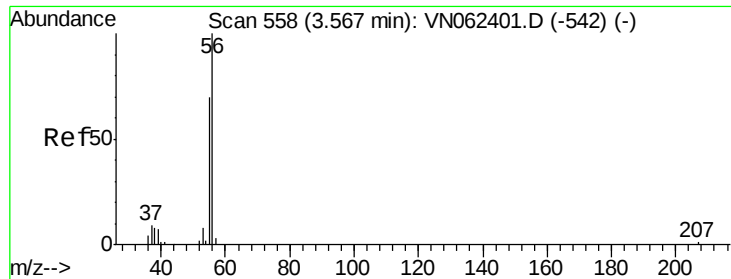
MMDadoda
7/9/2020 10:58:57 AM



#12
1,1-Dichloroethene
Concen: 50.438 ug/l
RT: 3.70 min Scan# 599
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	110427		
61	189.3		147.4	221.0
98	62.6		50.4	75.6





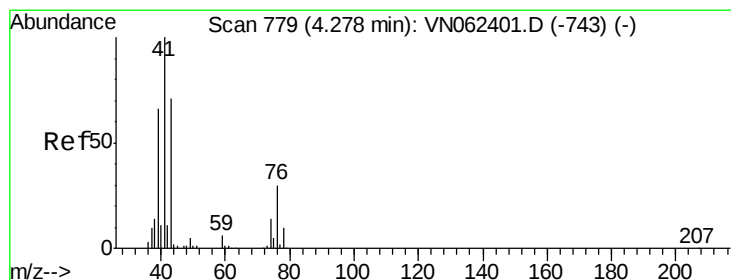
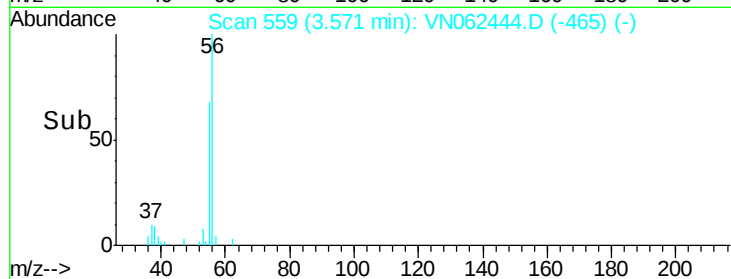
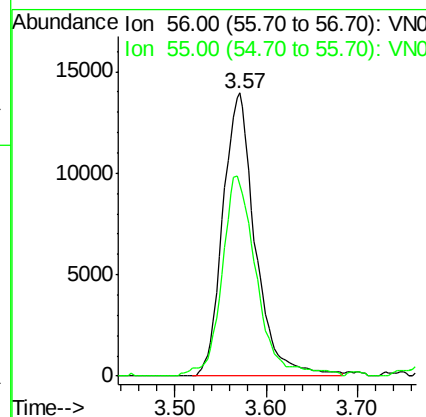
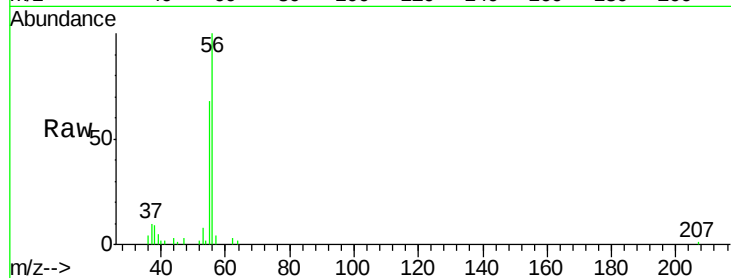
#13
Acrolein
Concen: 88.167 ug/l
RT: 3.57 min Scan# 559
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	56	Resp	34615
Ion Ratio	100	Lower	Upper
56	100		
55	75.1	57.2	85.8

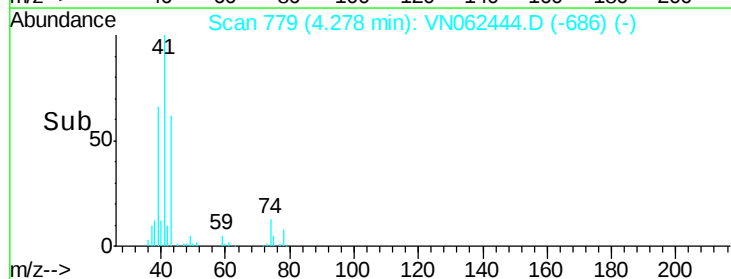
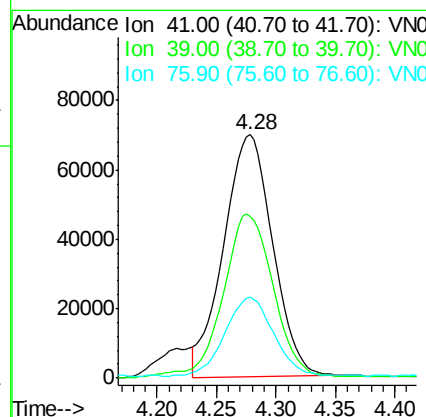
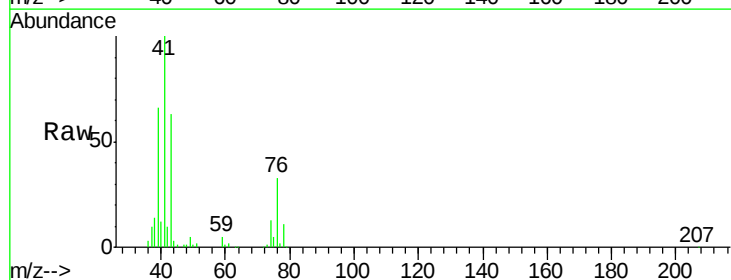
Manual Integrations
APPROVED

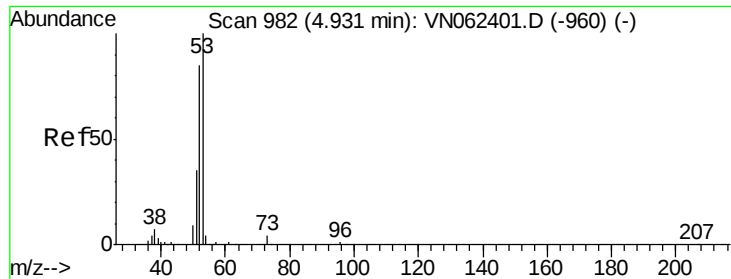
MMDadoda
7/9/2020 10:58:57 AM



#14
Allyl chloride
Concen: 38.752 ug/l
RT: 4.28 min Scan# 779
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	41	Resp	199537
Ion Ratio	100	Lower	Upper
41	100		
39	69.8	49.6	74.4
76	31.8	22.2	33.4





#15

Acrylonitrile

Concen: 249.176 ug/l

RT: 4.93 min Scan# 982

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

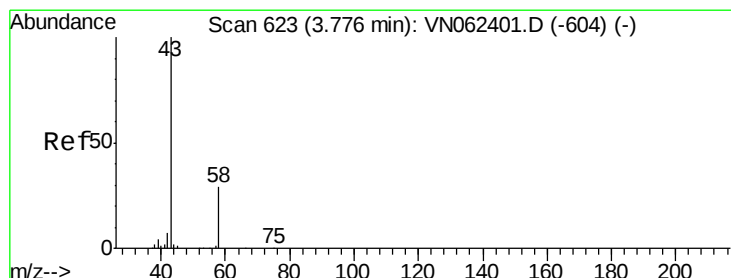
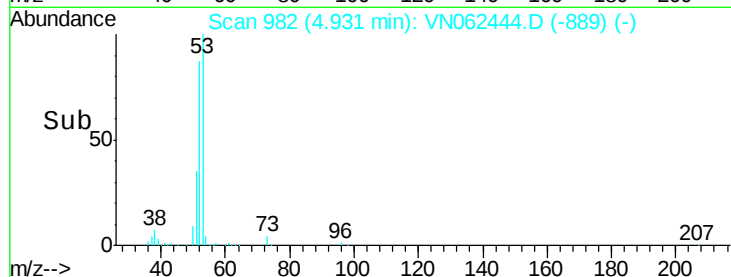
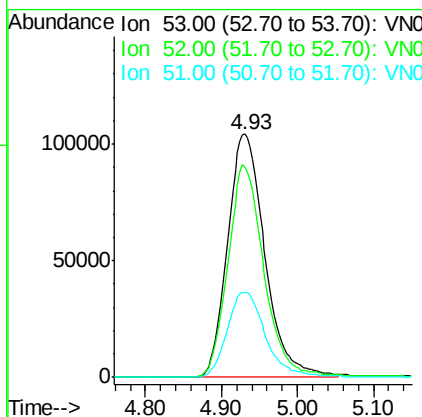
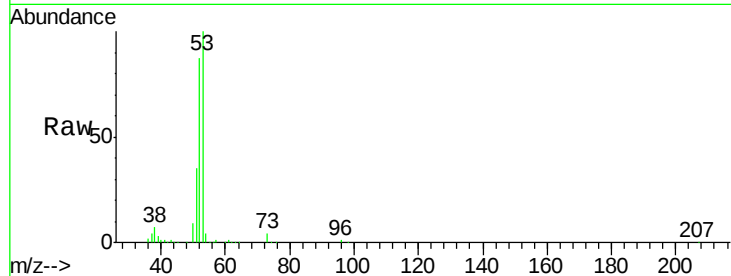
ClientSampled :

MW-14MSD

Tot Ion:	53	Resp:	355668
Ion Ratio	Lower	Upper	
53	100		
52	84.4	66.2	99.4
51	36.1	28.7	43.1

Manual Integrations
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#16

Acetone

Concen: 218.491 ug/l

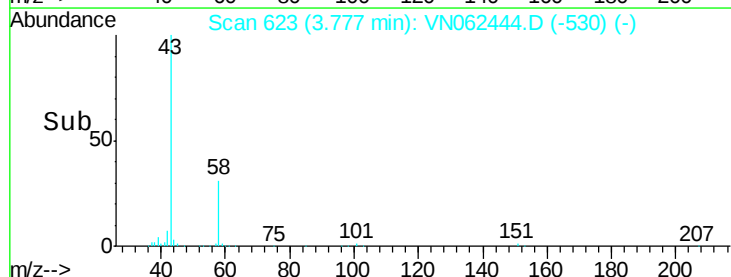
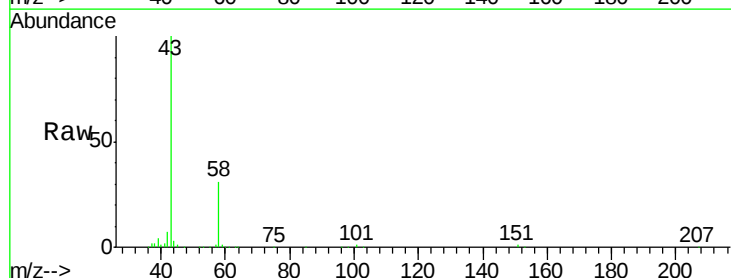
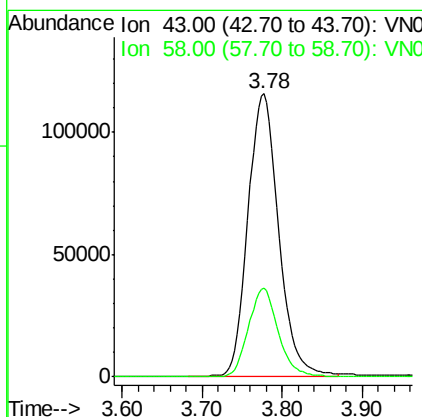
RT: 3.78 min Scan# 623

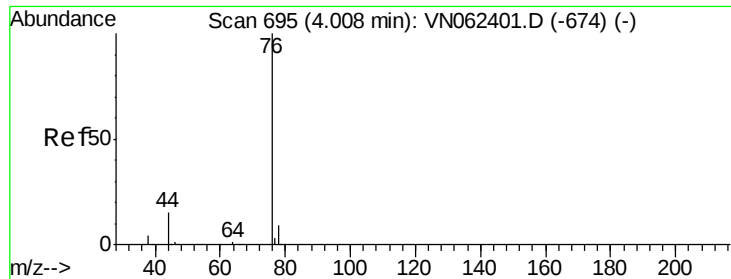
Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Tgt Ion:	43	Resp:	304344
Ion Ratio	Lower	Upper	
43	100		
58	31.4	23.5	35.3





#17

Carbon Disulfide

Concen: 49.746 ug/l

RT: 4.01 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 76 Resp: 341277

Ion Ratio Lower Upper

76 100

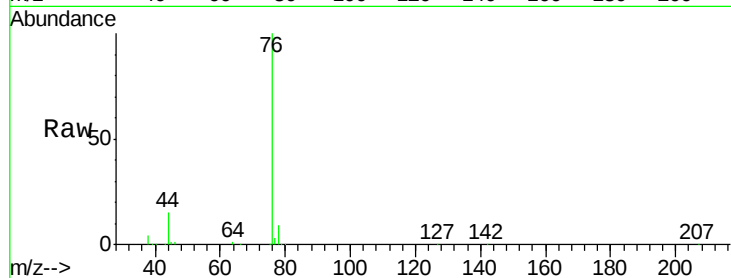
78 9.1 7.3 10.9

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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) (-)

4.01

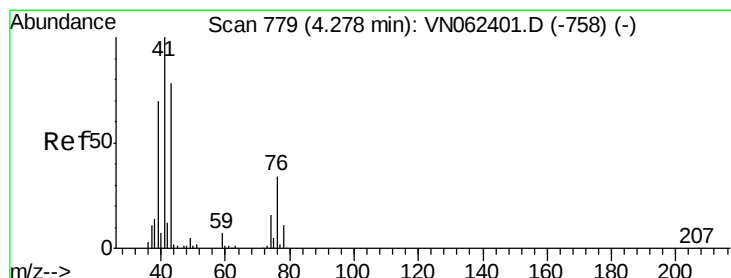
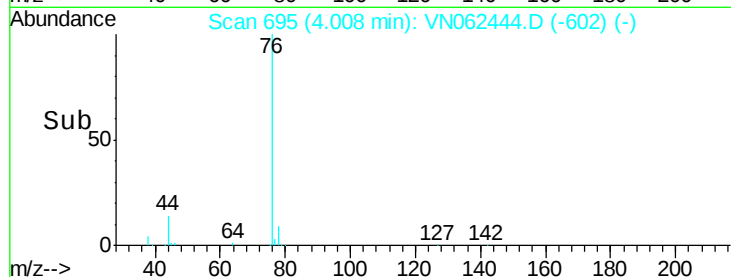
150000

100000

50000

0

Time-->



#18

Methyl Acetate

Concen: 36.798 ug/l

RT: 4.28 min Scan# 779

Delta R.T. 0.00 min

Lab File: VN062444.D

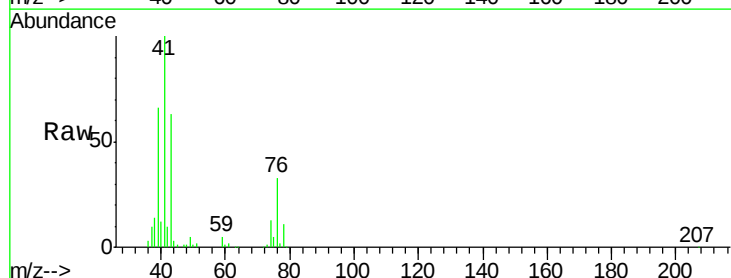
Acq: 9 Jul 2020 7:11

Tgt Ion: 43 Resp: 127915

Ion Ratio Lower Upper

43 100

74 20.6 16.0 24.0



Abundance Ion 43.00 (42.70 to 43.70): VN062401.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN062401.D (-758) (-)

4.28

50000

40000

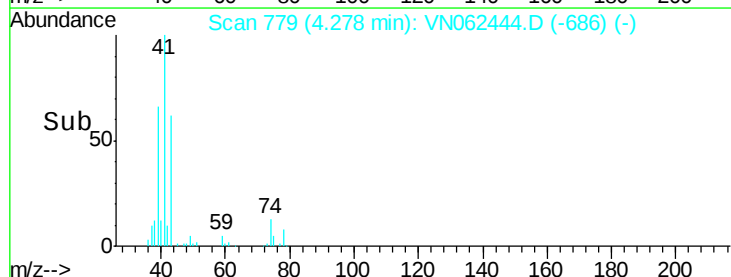
30000

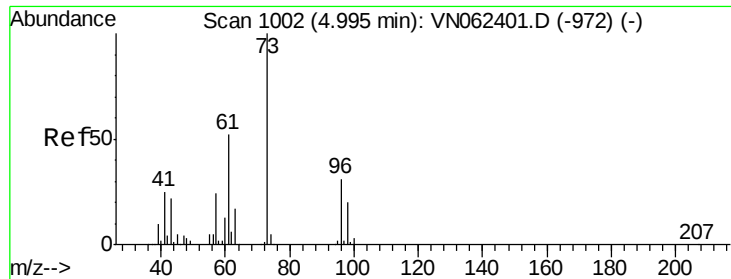
20000

10000

0

Time-->





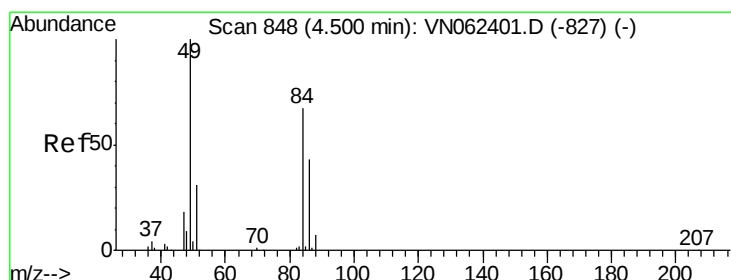
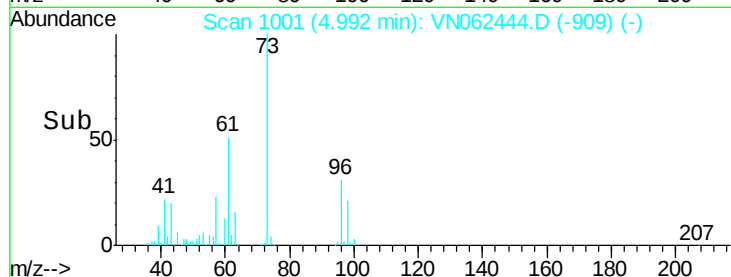
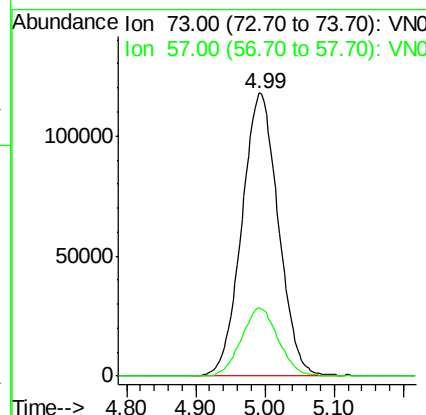
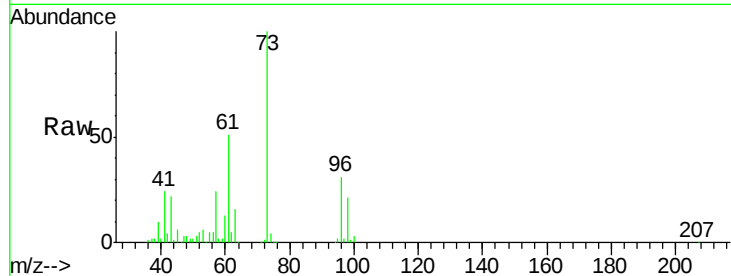
#19
Methvl tert-butvl Ether
Concen: 52.074 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion: 73 Resp: 432250
Ion Ratio Lower Upper
73 100
57 24.1 19.4 29.0

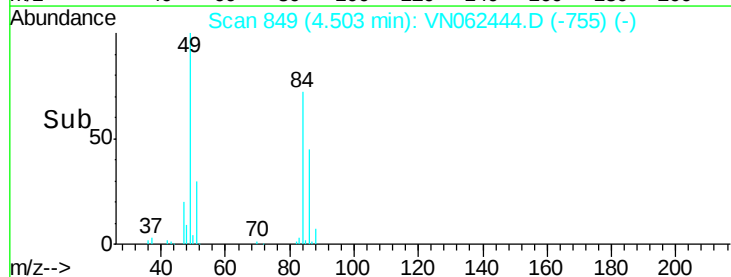
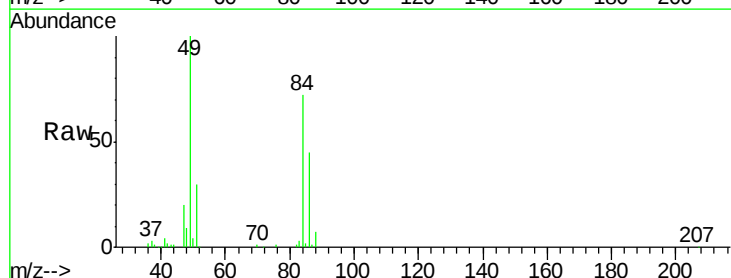
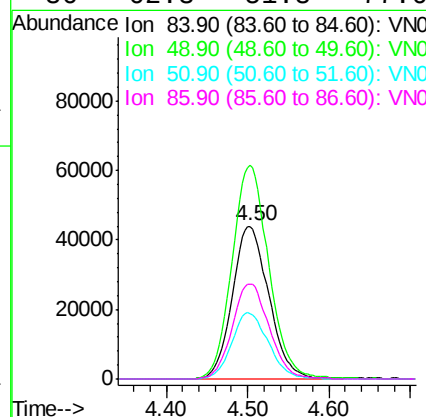
Manual Integrations
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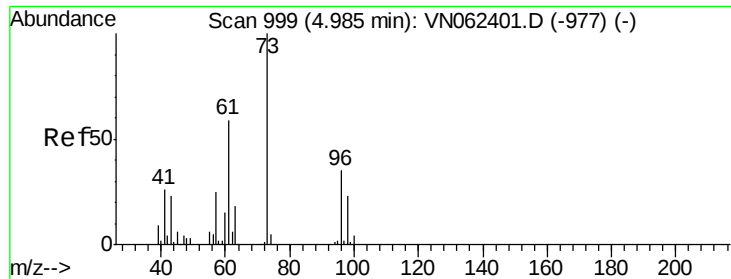
MMDadoda
7/9/2020 10:58:57 AM



#20
Methylene Chloride
Concen: 46.217 ug/l
RT: 4.50 min Scan# 849
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 84 Resp: 137645
Ion Ratio Lower Upper
84 100
49 139.7 120.0 180.0
51 42.6 37.0 55.6
86 62.3 51.8 77.6





#21

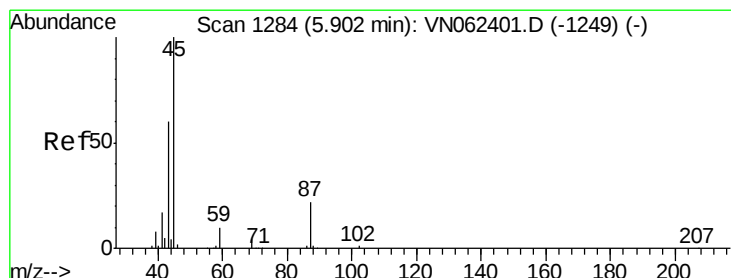
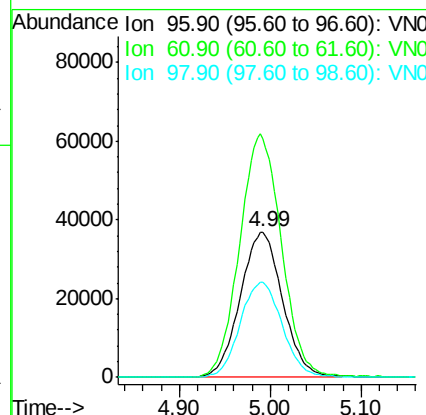
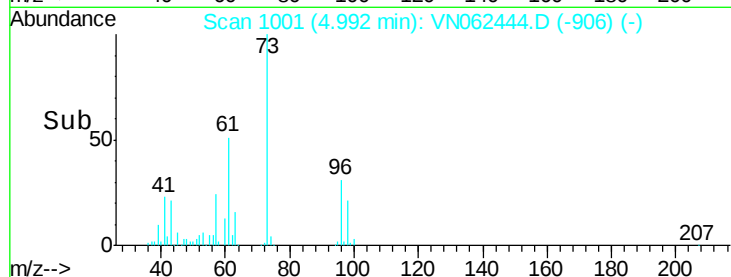
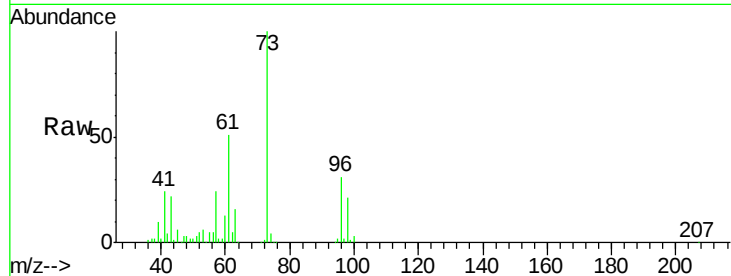
trans-1,2-Dichloroethene
Concen: 50.205 ug/l
RT: 4.99 min Scan# 1001
Delta R.T. 0.01 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	Ratio	Lower	Upper
96	100		
61	163.9	133.5	200.3
98	65.5	51.9	77.9

Manual Integrations
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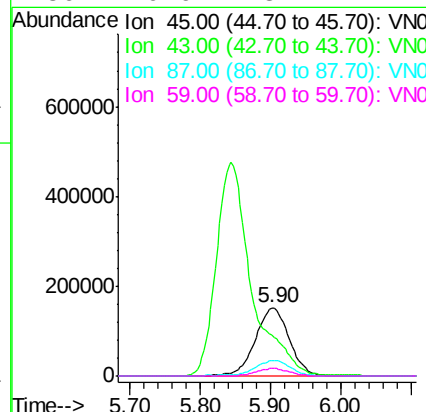
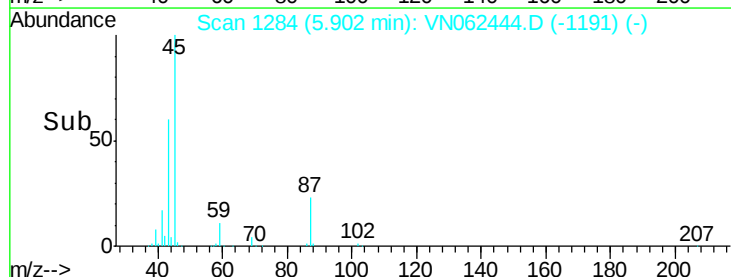
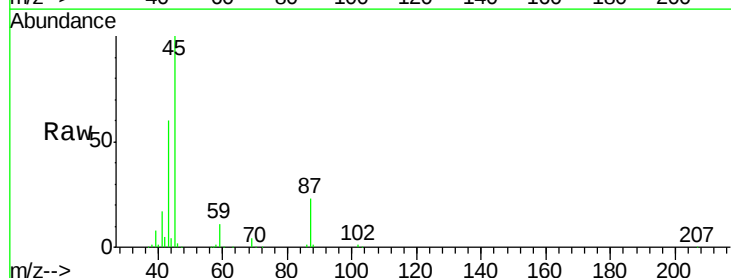
MMDadoda
7/9/2020 10:58:57 AM



#22

Diisopropyl ether
Concen: 50.246 ug/l
RT: 5.90 min Scan# 1284
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
45	100		
43	58.2	50.1	75.1
87	23.2	18.2	27.4
59	10.9	8.2	12.2





#23

Vinyl Acetate

Concen: 197.337 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

Tot Ion: 43 Resp: 1662995

Ion Ratio Lower Upper

43 100

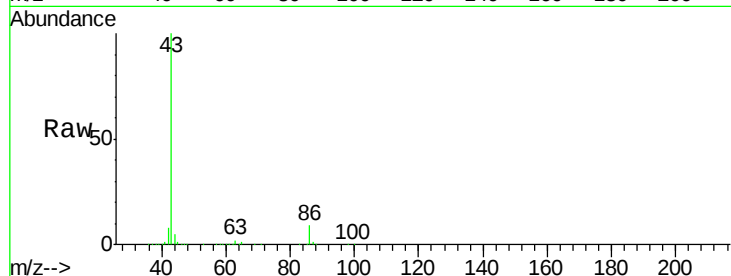
86 8.6 6.7 10.1

Manual Integrations

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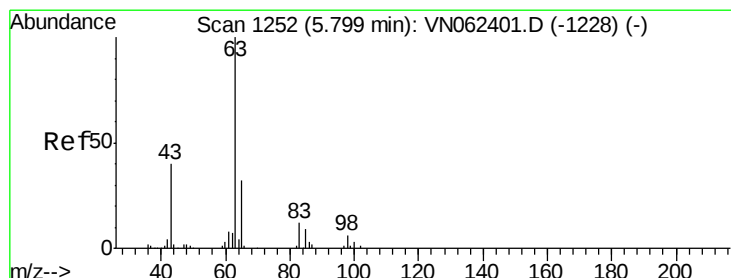
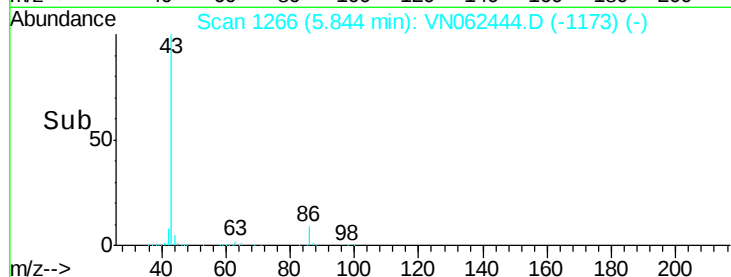
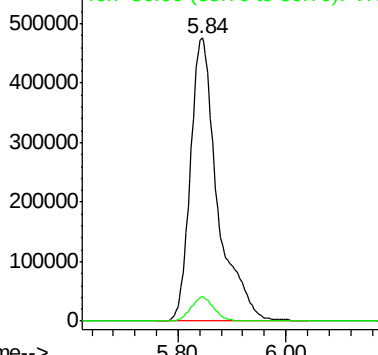
MMDadoda

7/9/2020 10:58:57 AM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 50.307 ug/l

RT: 5.80 min Scan# 1252

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

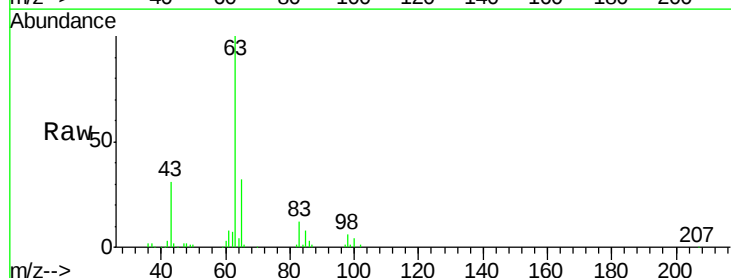
Tgt Ion: 63 Resp: 264454

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.8

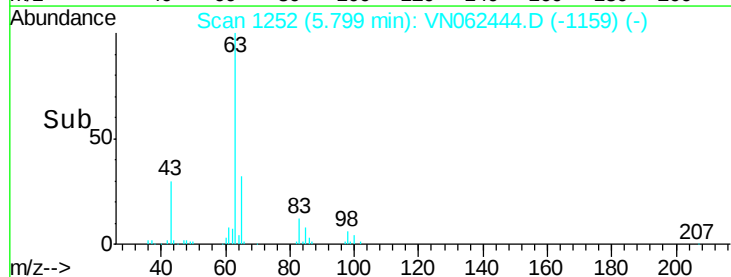
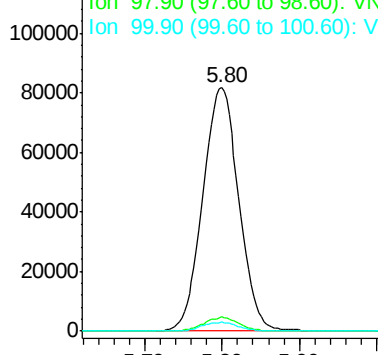
100 3.6 1.8 5.3

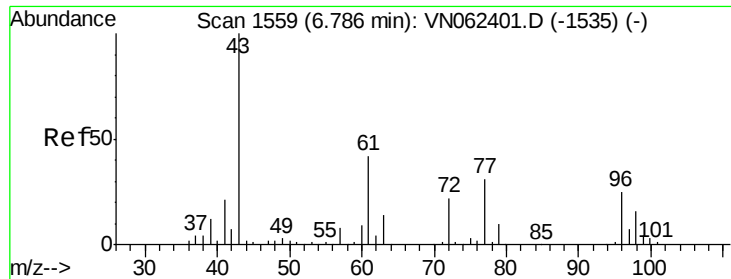


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 240.126 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 43 Resp: 488487

Ion Ratio Lower Upper

43 100

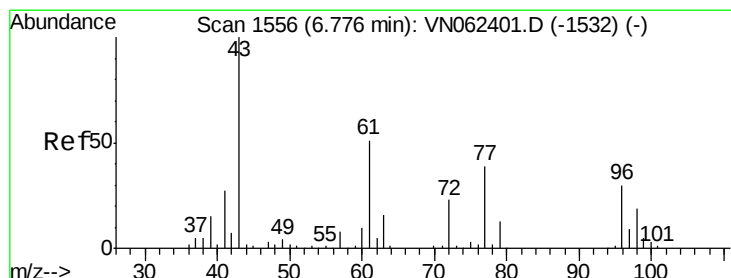
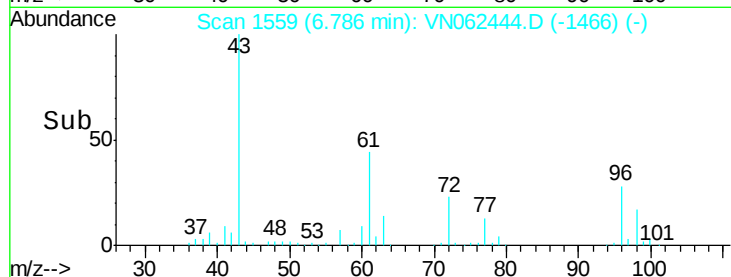
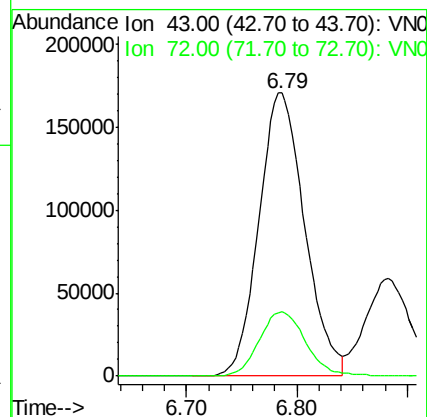
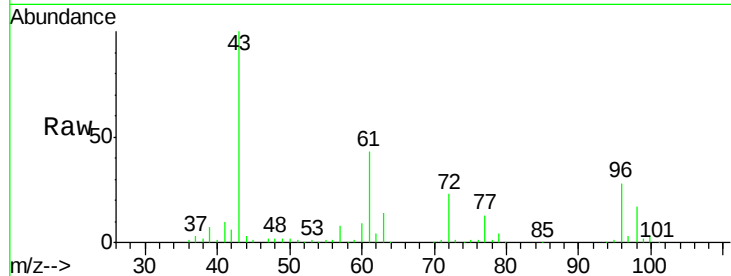
72 22.7 17.9 26.9

Manual Integrations

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MMDadoda

7/9/2020 10:58:57 AM



#26

2,2-Dichloropropane

Concen: 19.576 ug/l

RT: 6.78 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VN062444.D

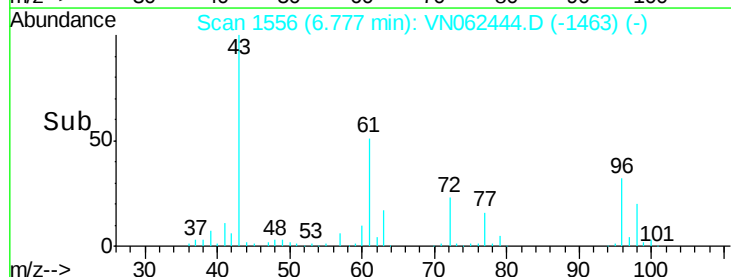
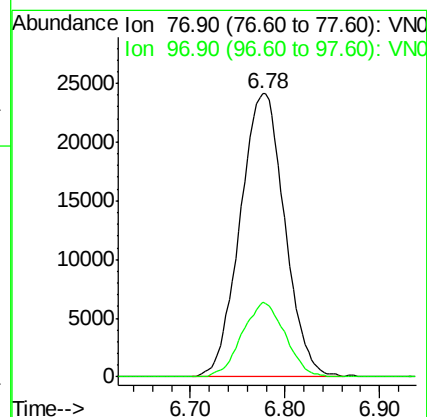
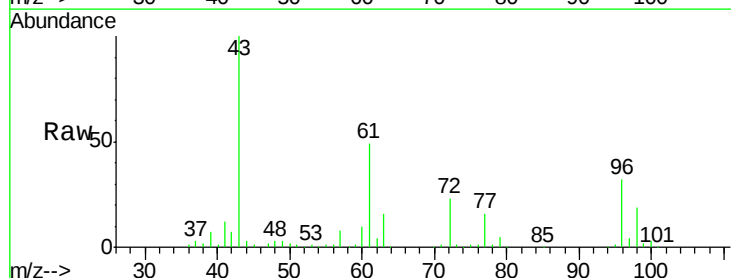
Acq: 9 Jul 2020 7:11

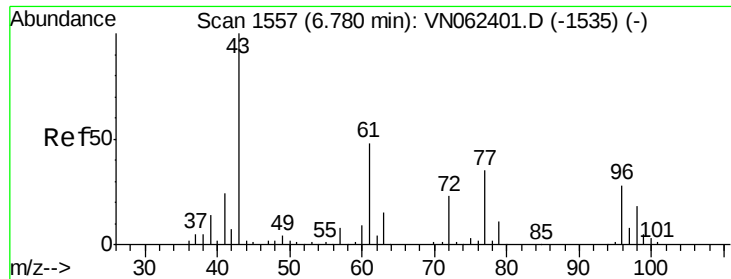
Tgt Ion: 77 Resp: 78904

Ion Ratio Lower Upper

77 100

97 25.4 10.9 32.9





#27

cis-1,2-Dichloroethene

Concen: 52.066 ug/l

RT: 6.78 min Scan# 1557

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

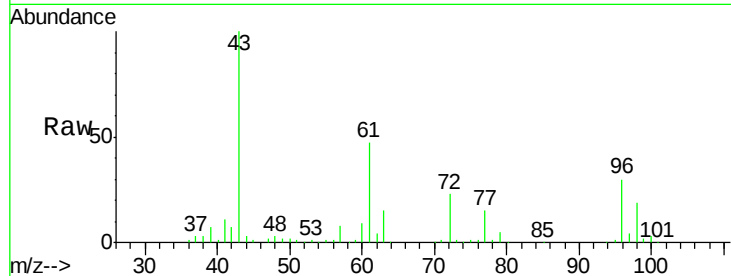
ClientSampleId :

MW-14MSD

Tot Ion:	96	Resp:	143040
Ion Ratio	Lower	Upper	
96	100		
61	156.1	0.0	343.4
98	63.0	0.0	128.4

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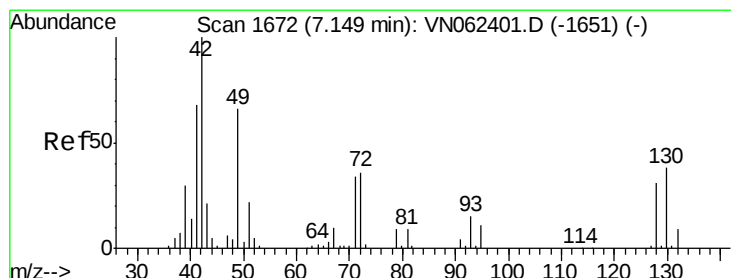
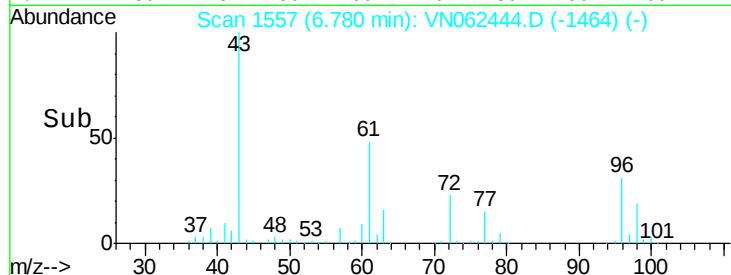
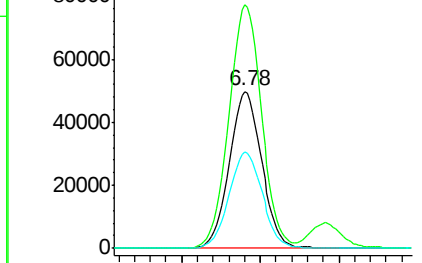
MMDadoda
7/9/2020 10:58:57 AM



Abundance Ion 95.90 (95.60 to 96.60): VN062444.D (-1464) (-)

Ion 60.90 (60.60 to 61.60): VN062444.D (-1464) (-)

Ion 97.90 (97.60 to 98.60): VN062444.D (-1464) (-)



#28

Bromochloromethane

Concen: 46.586 ug/l

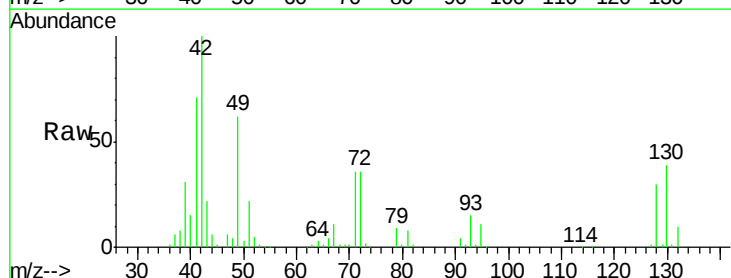
RT: 7.15 min Scan# 1672

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

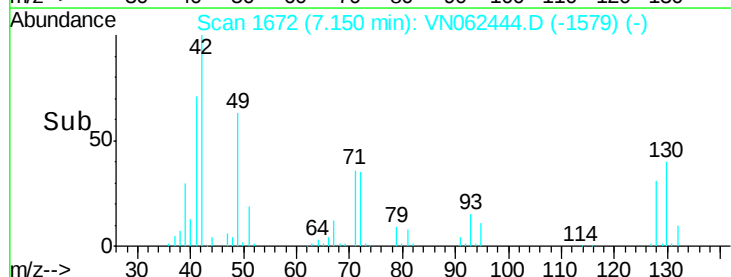
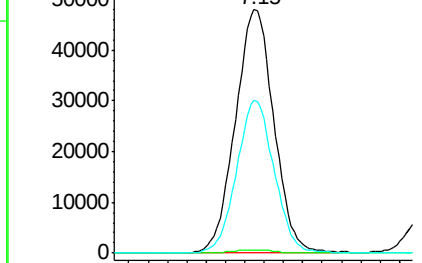
Tgt Ion:	49	Resp:	133048
Ion Ratio	Lower	Upper	
49	100		
129	1.4	0.0	2.8
130	60.9	46.5	69.7

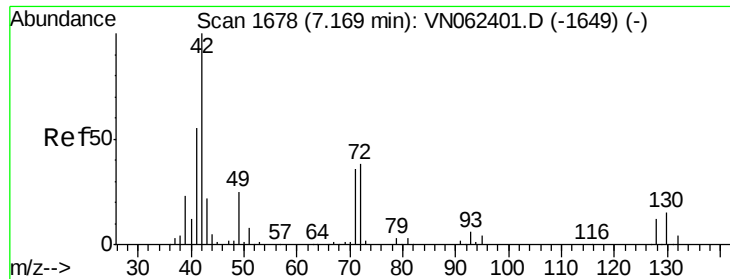


Abundance Ion 48.90 (48.60 to 49.60): VN062444.D (-1579) (-)

Ion 128.80 (128.50 to 129.50): VN062444.D (-1579) (-)

Ion 129.80 (129.50 to 130.50): VN062444.D (-1579) (-)





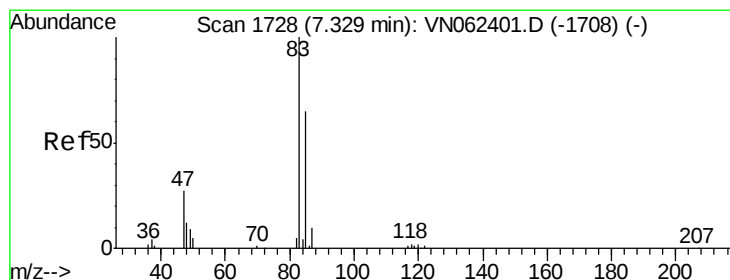
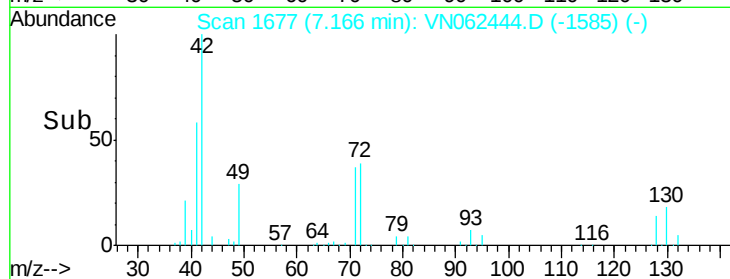
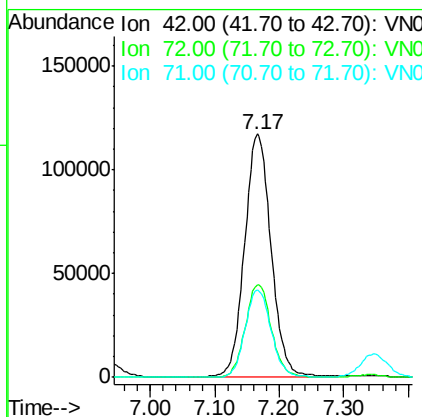
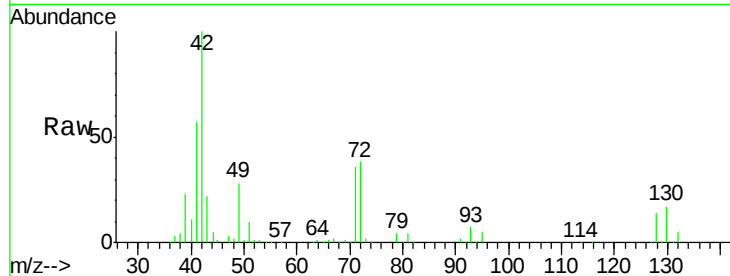
#29
Tetrahydrofuran
Concen: 246.509 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. -0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion	Ratio	Resp	Lower	Upper
42	100			
72	37.2	29.1	43.7	
71	35.1	28.1	42.1	

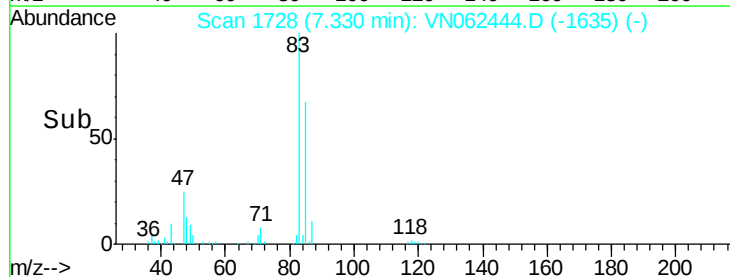
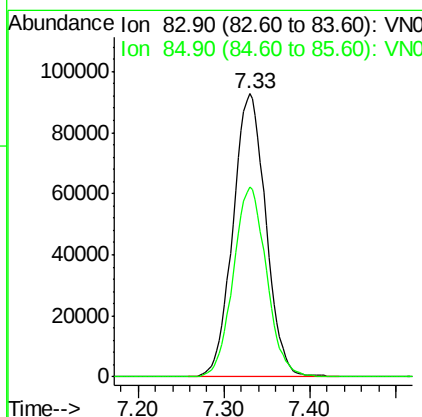
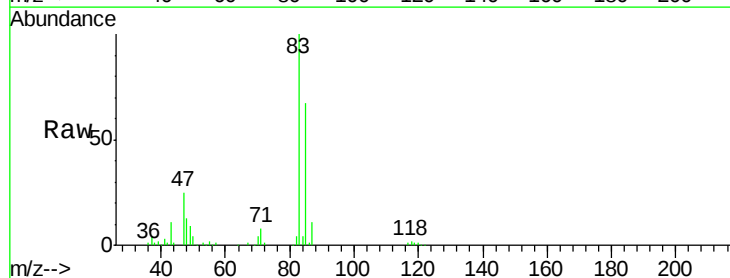
Manual Integrations
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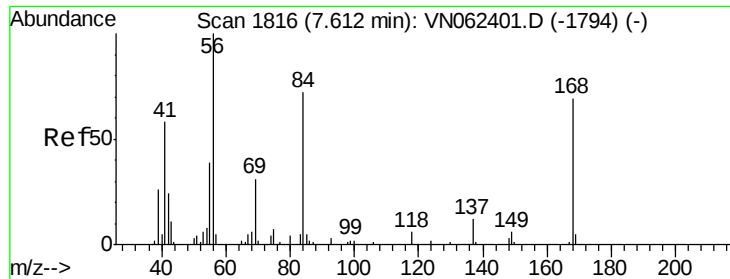
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7/9/2020 10:58:57 AM



#30
Chloroform
Concen: 51.851 ug/l
RT: 7.33 min Scan# 1728
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
83	100			
85	67.0	51.8	77.6	





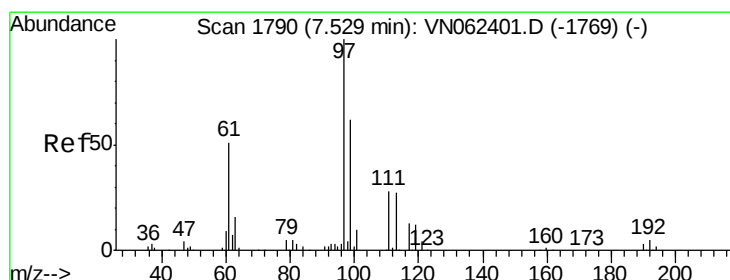
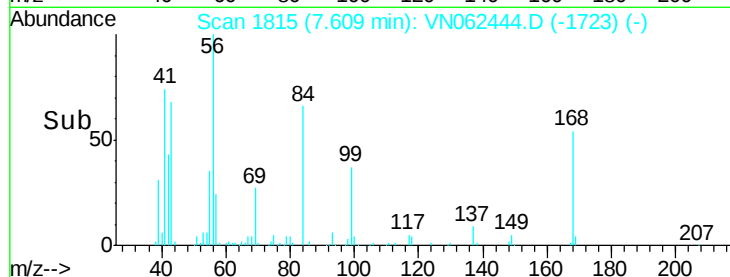
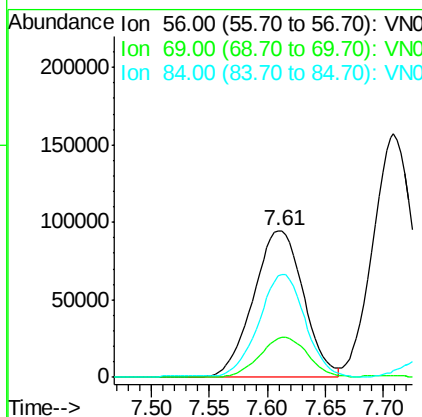
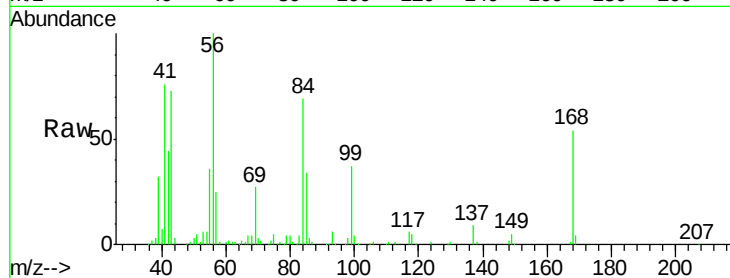
#31
Cyclohexane
Concen: 57.156 ug/l
RT: 7.61 min Scan# 1815
Delta R.T. -0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion	Ratio	Lower	Upper
56	100		
69	26.5	24.5	36.7
84	67.4	57.4	86.2

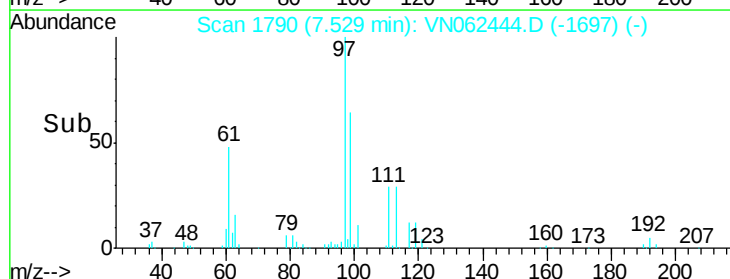
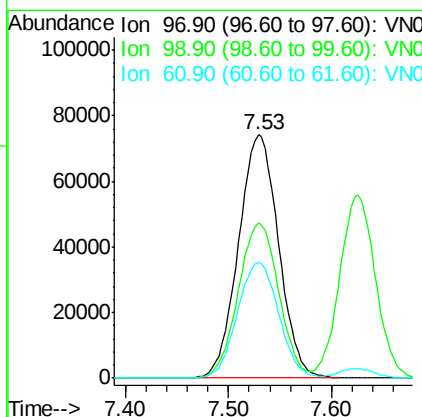
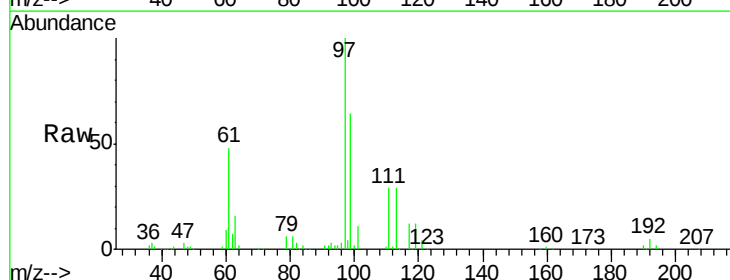
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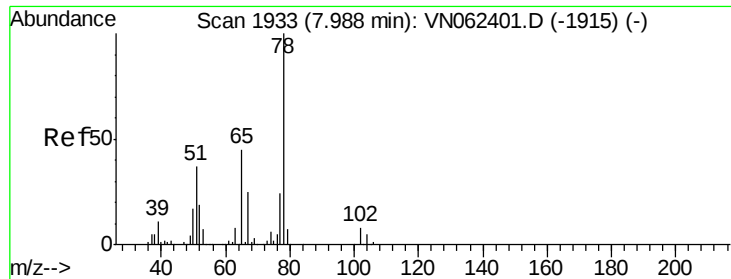
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#32
1,1,1-Trichloroethane
Concen: 50.723 ug/l
RT: 7.53 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	50.4	75.6
61	49.0	39.9	59.9





#33

1,2-Dichloroethane-d4

Concen: 49.362 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 65 Resp: 161954

Ion Ratio Lower Upper

65 100

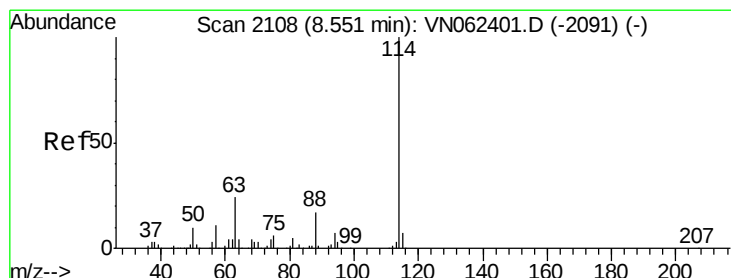
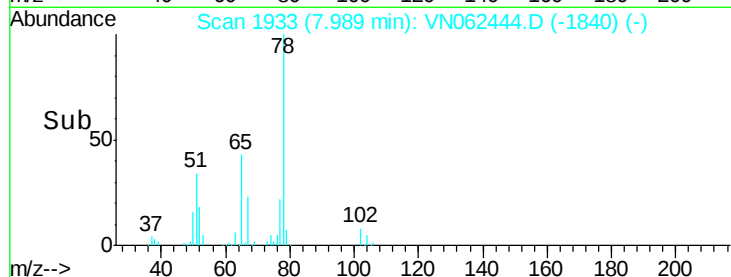
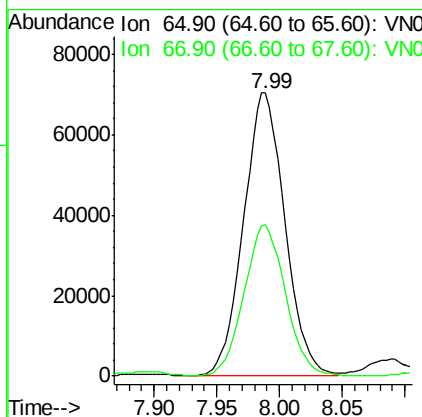
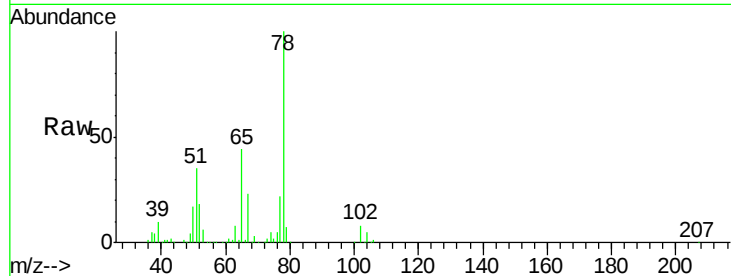
67 52.8 0.0 107.6

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

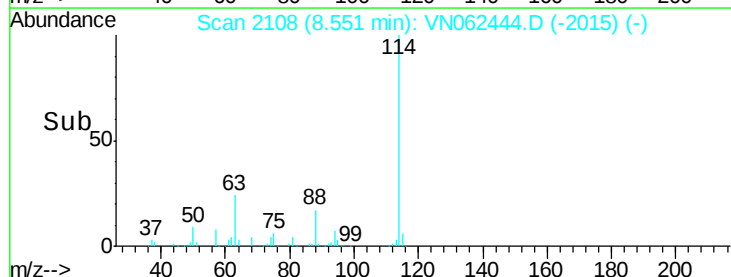
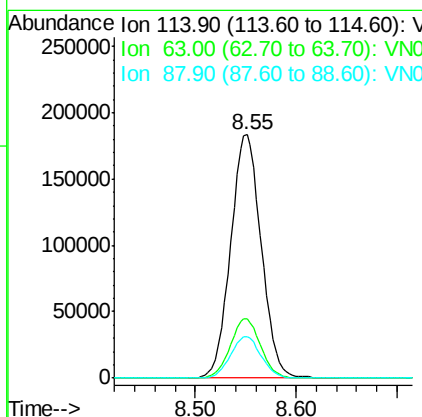
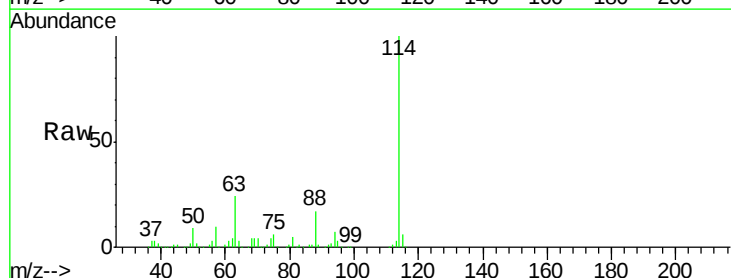
Tgt Ion: 114 Resp: 386534

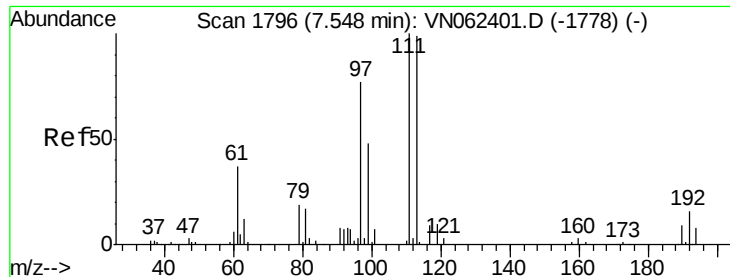
Ion Ratio Lower Upper

114 100

63 24.2 0.0 48.4

88 17.0 0.0 33.8





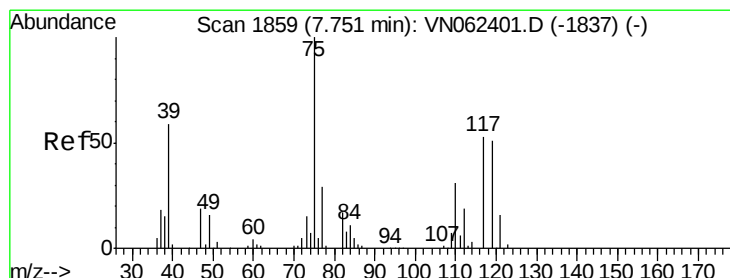
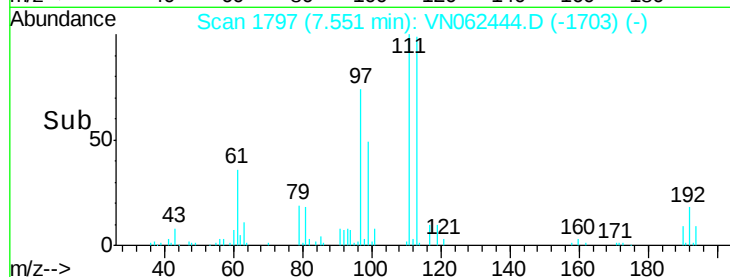
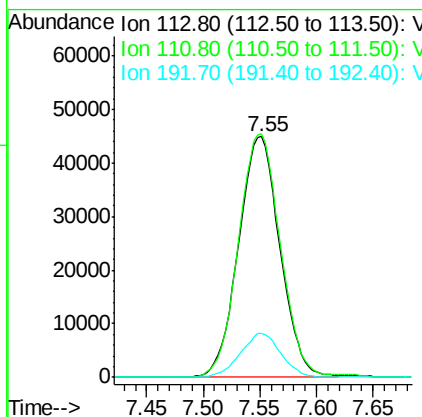
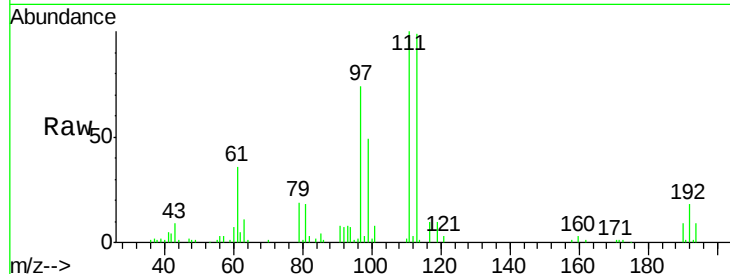
#35
 Dibromofluoromethane
 Concen: 47.799 ug/l
 RT: 7.55 min Scan# 1797
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100	114206		
111	102.3	83.1	124.7	
192	18.0	14.1	21.1	

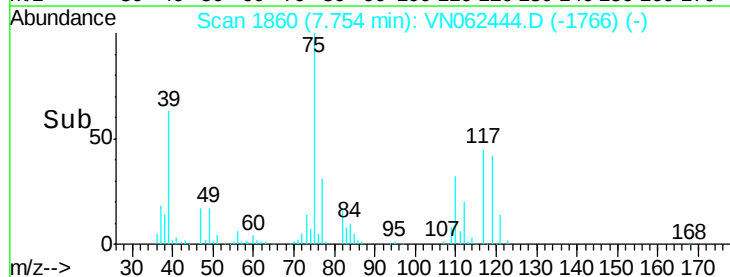
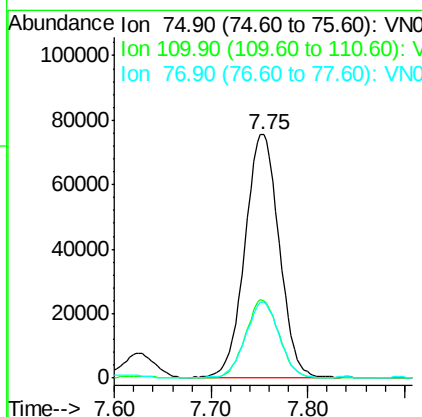
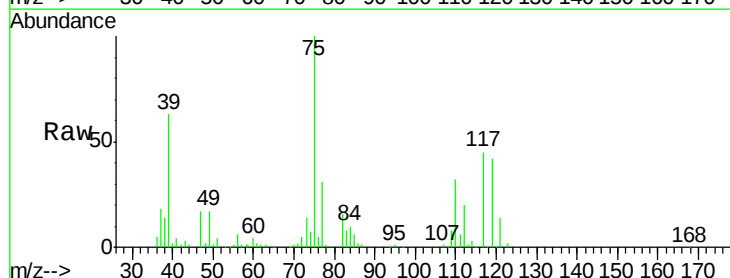
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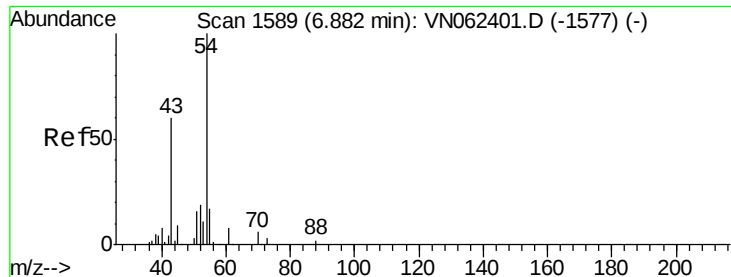
MMDadoda
 7/9/2020 10:58:57 AM



#36
 1,1-Dichloropropene
 Concen: 47.598 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	185358		
110	31.5	15.4	46.2	
77	31.3	24.1	36.1	





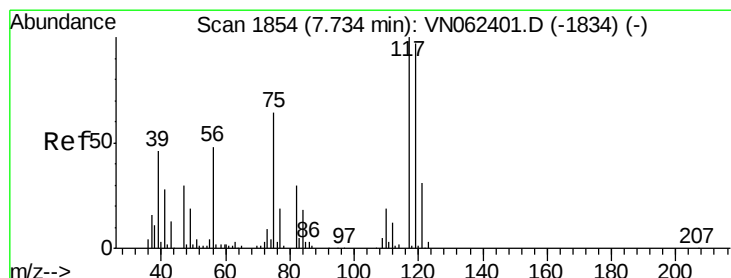
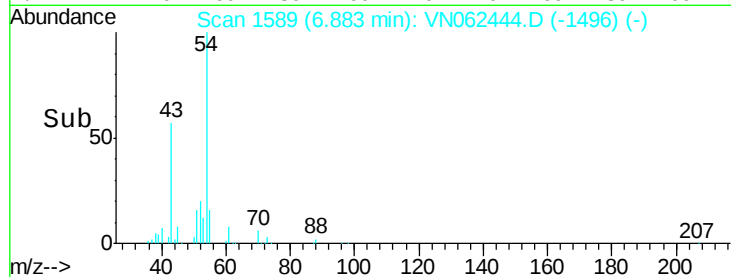
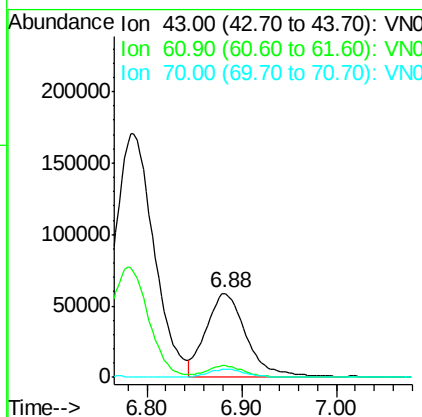
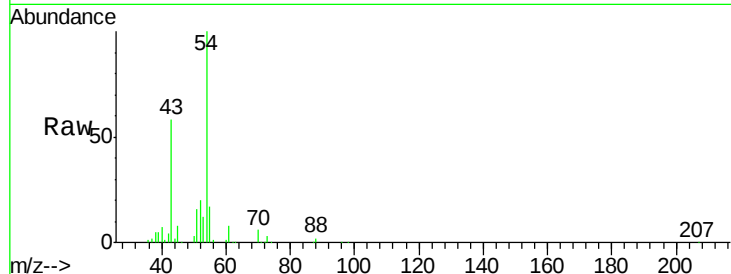
#37
Ethyl Acetate
Concen: 37.416 ug/l
RT: 6.88 min Scan# 1589
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	43	Ratio	Lower	Upper
170376	100			
61	13.8	10.7	16.1	
70	9.3	7.2	10.8	

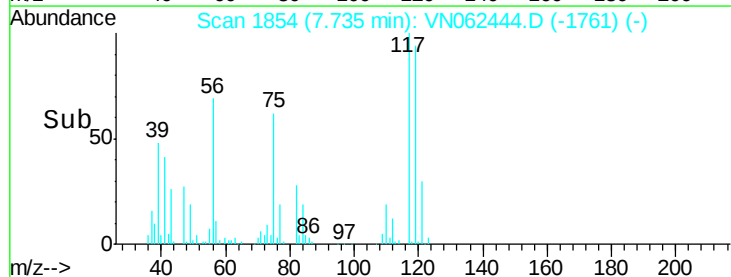
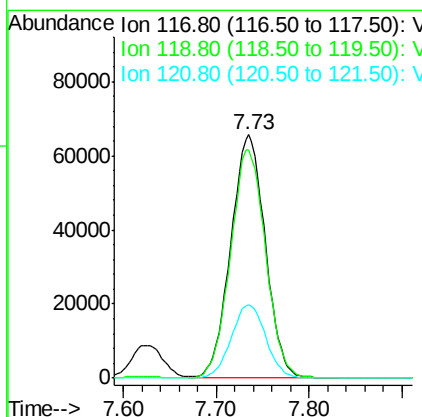
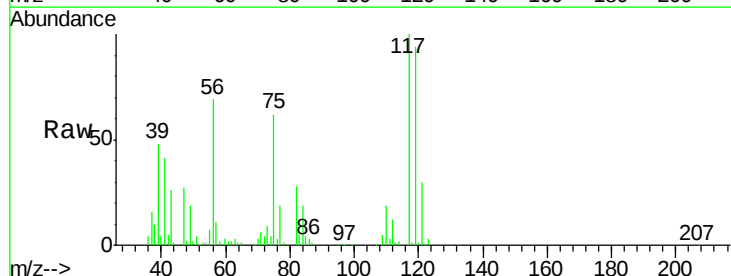
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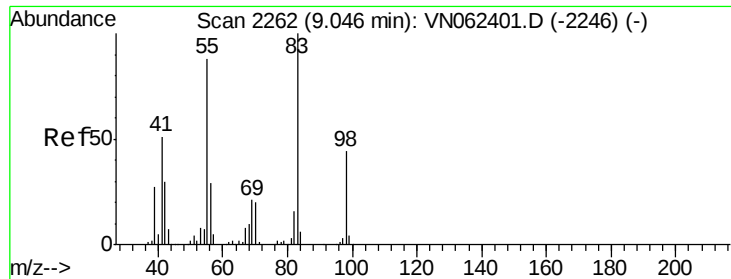
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#38
Carbon Tetrachloride
Concen: 48.436 ug/l
RT: 7.73 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	117	Ratio	Lower	Upper
169579	100			
119	93.6	77.2	115.8	
121	30.3	24.8	37.2	





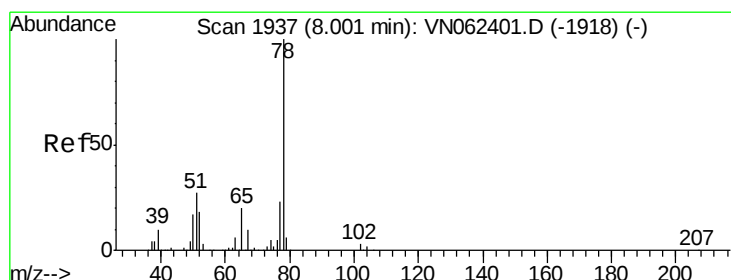
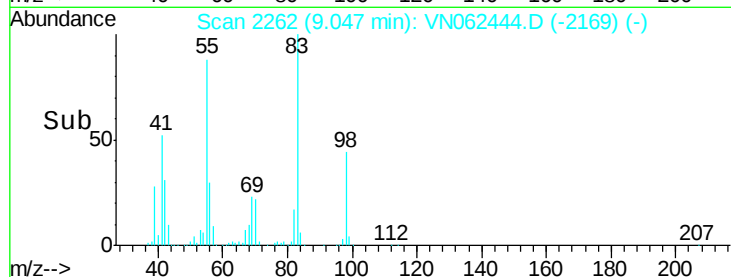
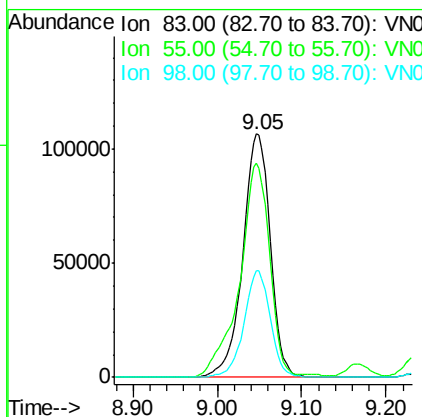
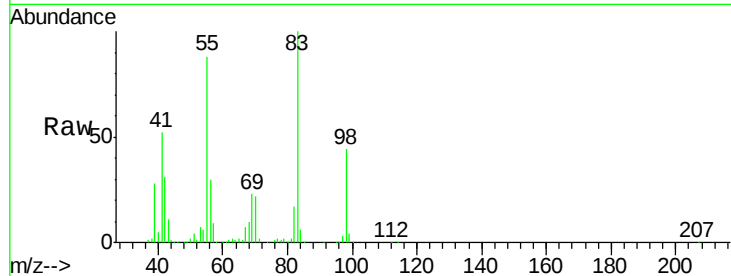
#39
Methvlcvclohexane
Concen: 58.131 ug/l
RT: 9.05 min Scan# 2262
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	Ratio	Resp	Lower	Upper
83	100	241681		
55	88.0		70.5	105.7
98	43.8		35.5	53.3

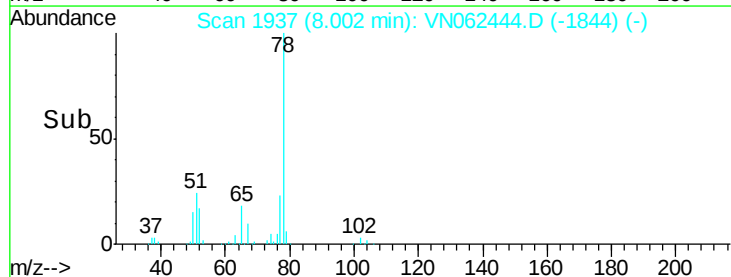
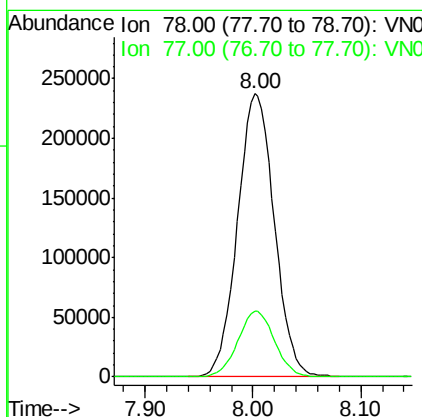
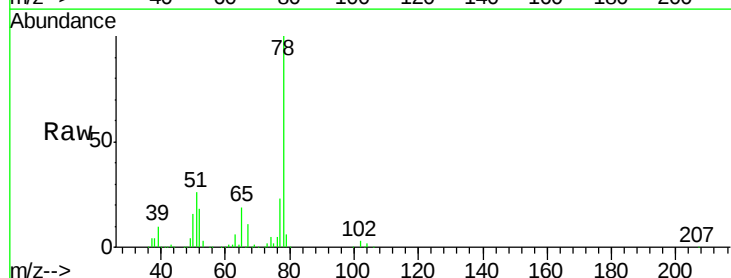
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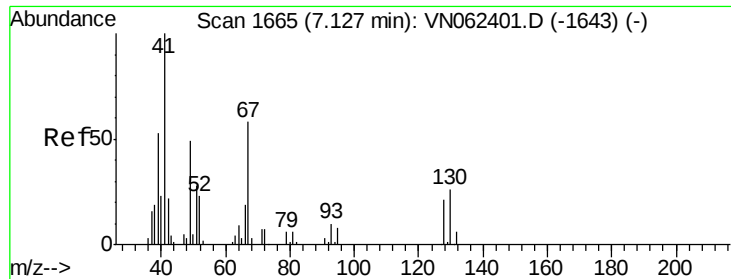
MMDadoda
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#40
Benzene
Concen: 49.046 ug/l
RT: 8.00 min Scan# 1937
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	562918		
77	23.3		18.7	28.1





#41

Methacrylonitrile

Concen: 54.610 ug/l m

RT: 7.14 min Scan# 1668

Delta R.T. 0.01 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

Tot Ion: 41 Resp: 103897
Ion Ratio Lower Upper

41 100

39 0.0 50.2 75.2#

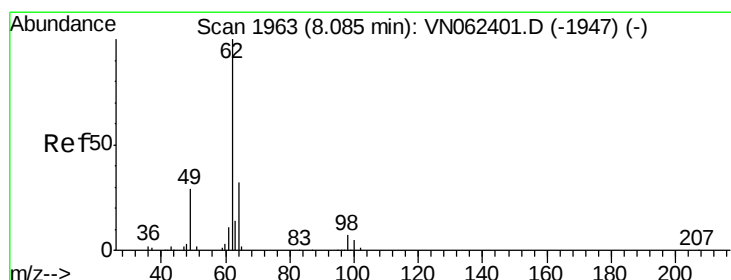
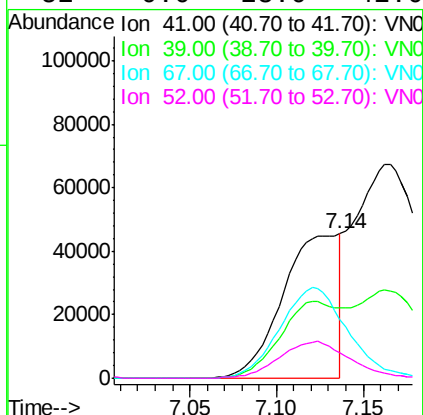
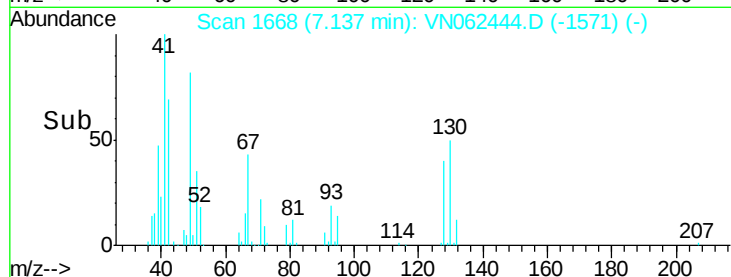
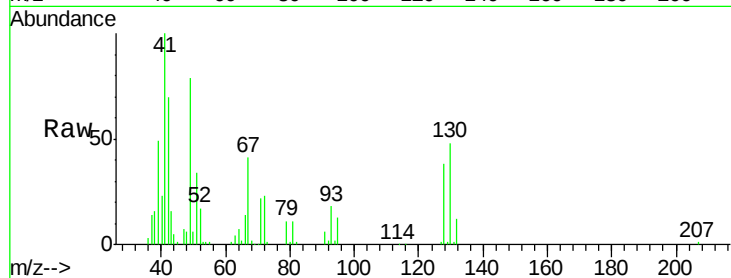
67 0.0 64.2 96.2#

52 0.0 28.0 42.0#

Manual Integrations
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#42

1,2-Dichloroethane

Concen: 49.815 ug/l

RT: 8.09 min Scan# 1963

Delta R.T. 0.00 min

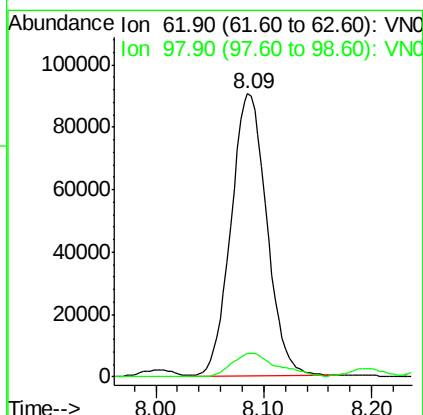
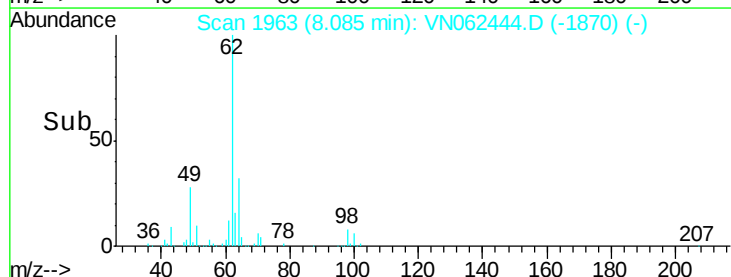
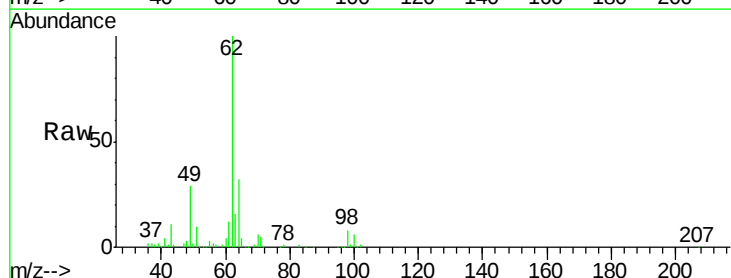
Lab File: VN062444.D

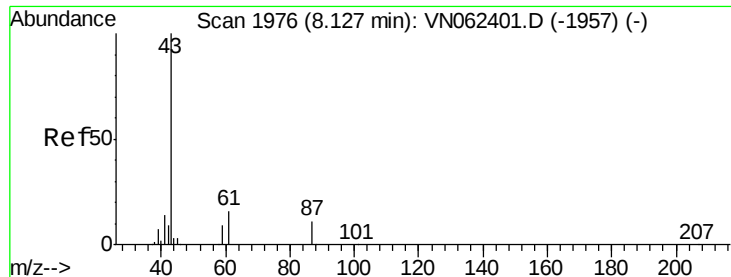
Acq: 9 Jul 2020 7:11

Tgt Ion: 62 Resp: 209349
Ion Ratio Lower Upper

62 100

98 10.6 0.0 15.8





#43

Isopropyl Acetate

Concen: 52.776 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

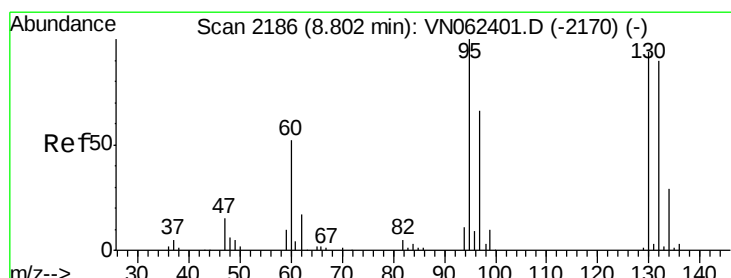
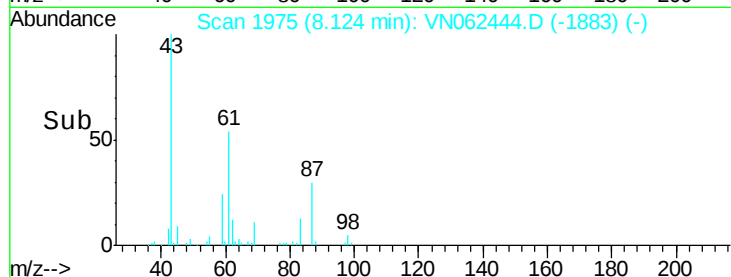
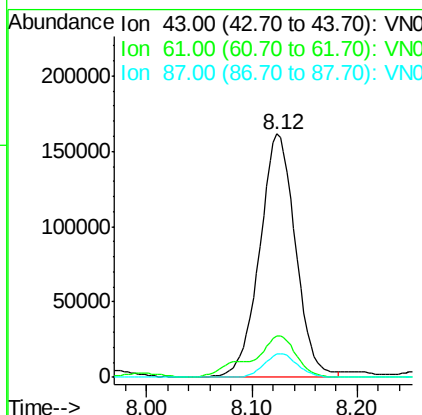
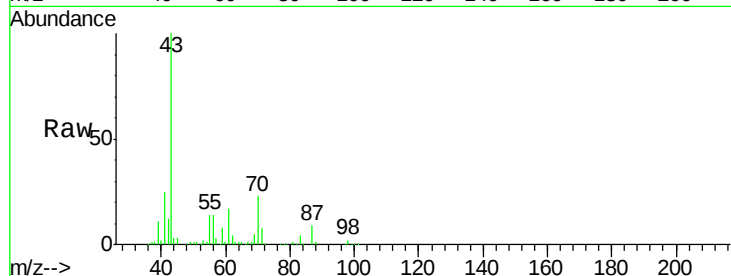
ClientSampleId :

MW-14MSD

Tot Ion:	43	Resp:	379639
Ion	Ratio	Lower	Upper
43	100		
61	21.3	19.3	28.9
87	9.1	8.6	13.0

Manual Integrations
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#44

Trichloroethene

Concen: 49.929 ug/l

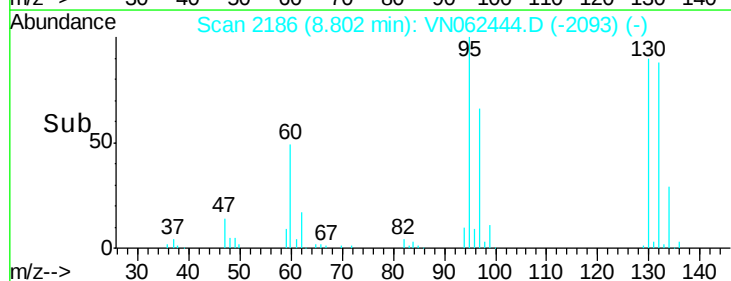
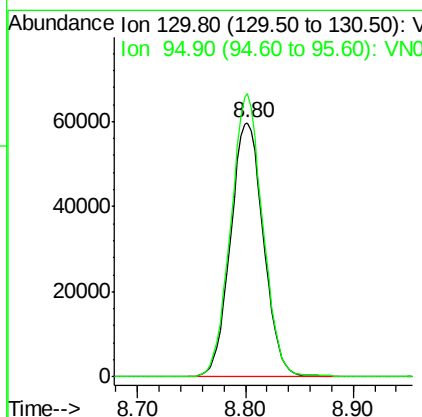
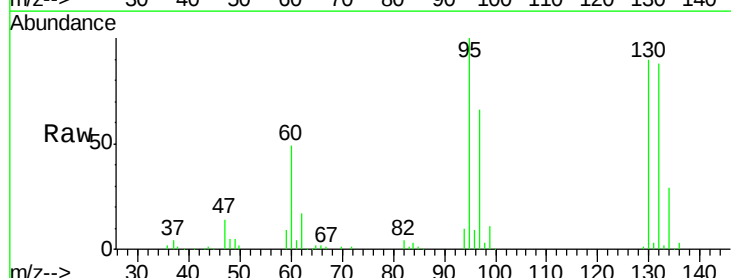
RT: 8.80 min Scan# 2186

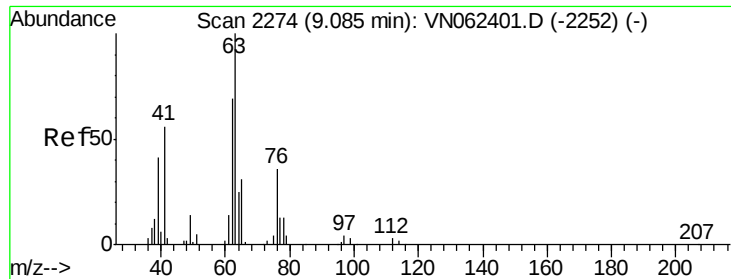
Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Tgt Ion:	130	Resp:	127144
Ion	Ratio	Lower	Upper
130	100		
95	111.4	0.0	213.8





#45

1,2-Dichloropropane

Concen: 49.221 ug/l

RT: 9.09 min Scan# 2274

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 63 Resp: 163995

Ion Ratio Lower Upper

63 100

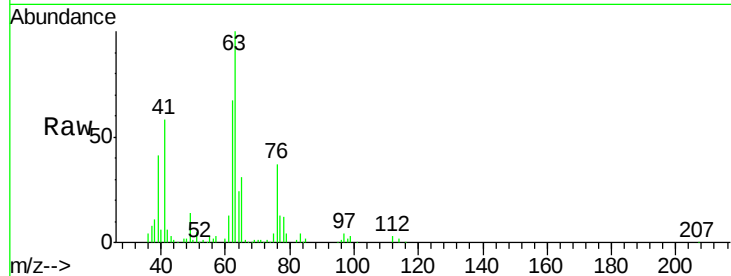
65 30.7 24.6 36.8

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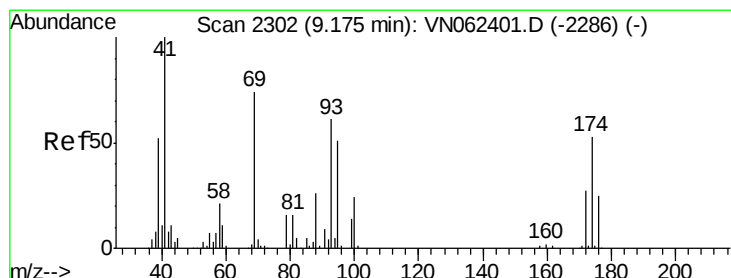
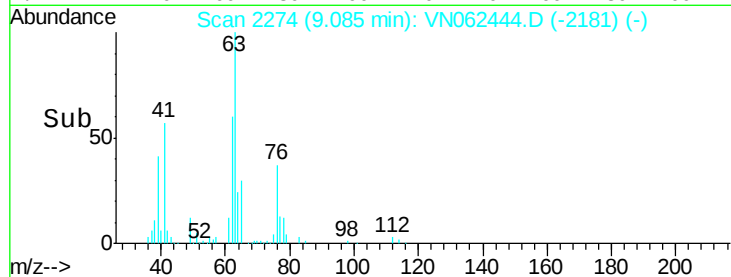
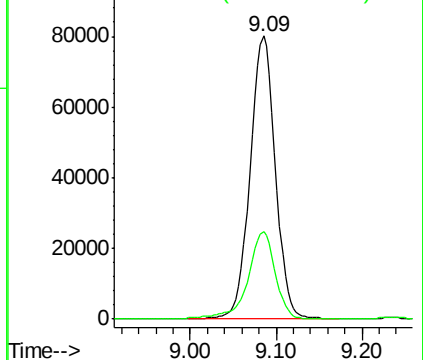
MMDadoda

7/9/2020 10:58:57 AM



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 49.467 ug/l

RT: 9.18 min Scan# 2302

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

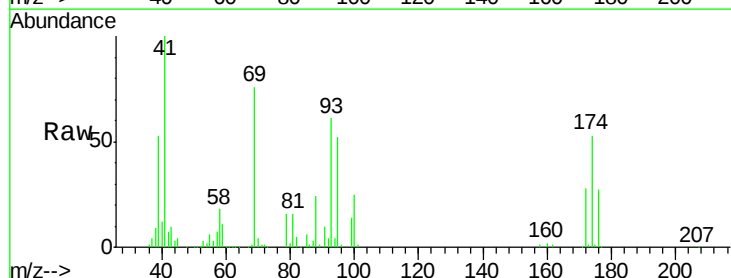
Tgt Ion: 93 Resp: 93008

Ion Ratio Lower Upper

93 100

95 83.9 67.1 100.7

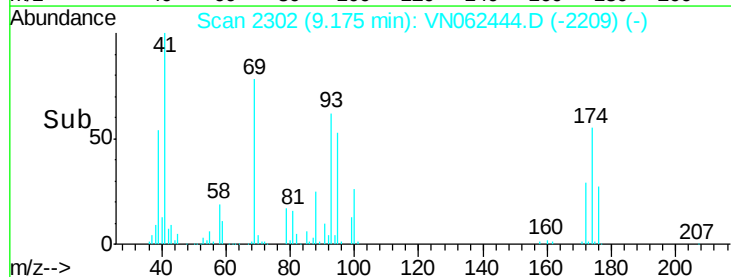
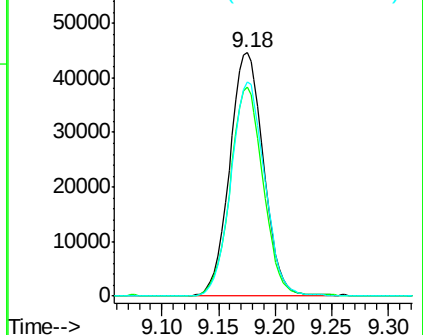
174 87.5 70.4 105.6

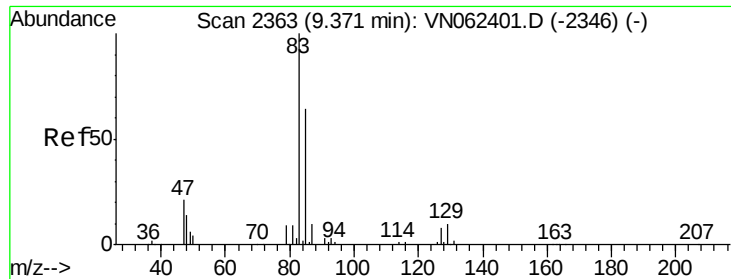


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





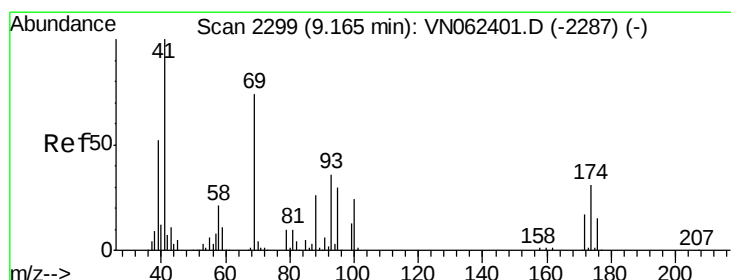
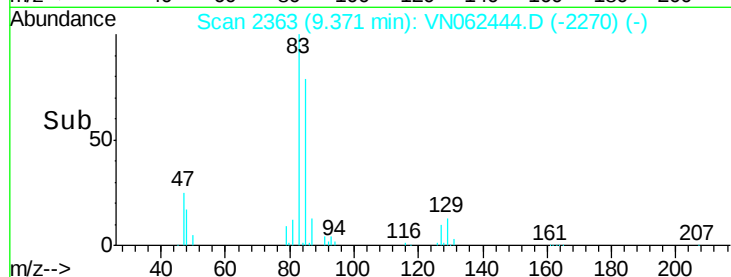
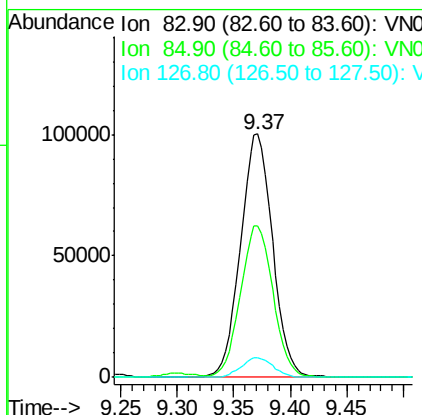
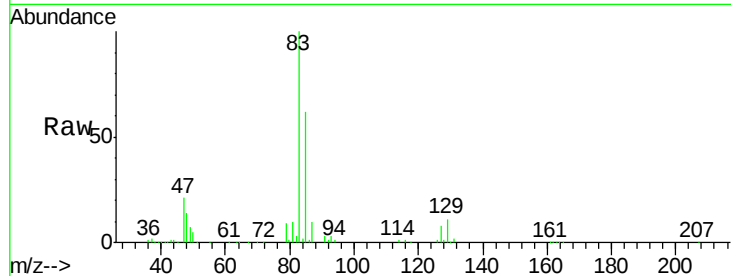
#47
Bromodichloromethane
Concen: 49.400 ug/l
RT: 9.37 min Scan# 2363
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion	83	Resp	198580
Ion Ratio	100	Lower	Upper
83	100		
85	62.1	51.2	76.8
127	8.1	6.2	9.2

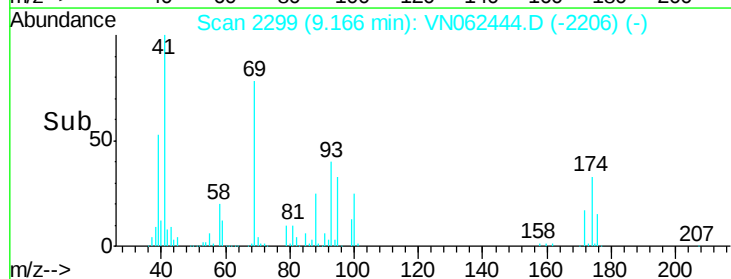
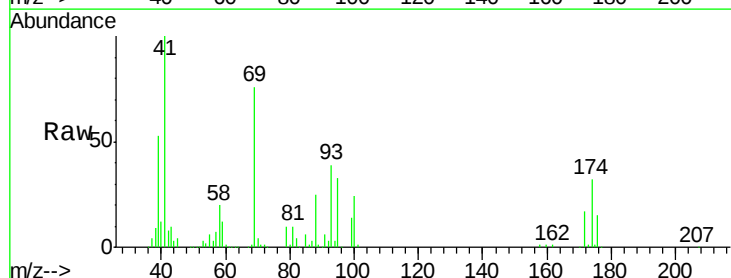
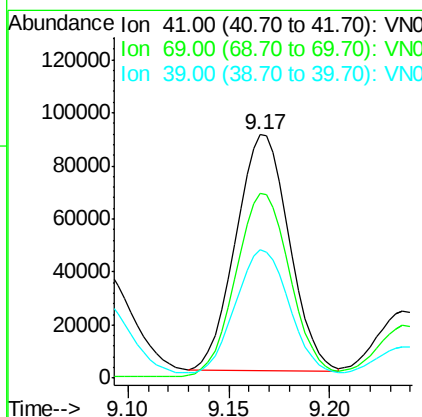
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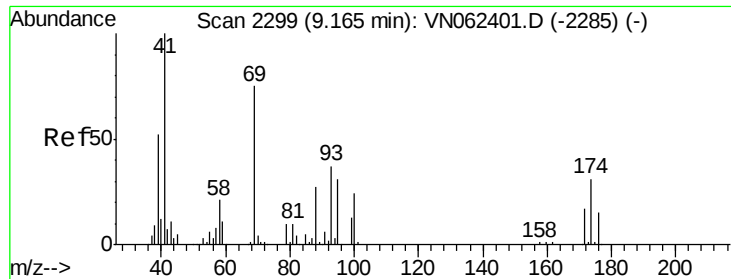
MMDadoda
7/9/2020 10:58:57 AM



#48
Methyl methacrylate
Concen: 46.666 ug/l
RT: 9.17 min Scan# 2299
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	41	Resp	164667
Ion Ratio	100	Lower	Upper
41	100		
69	79.1	60.8	91.2
39	52.4	43.5	65.3





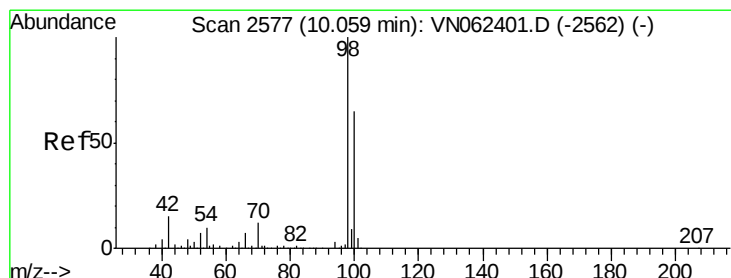
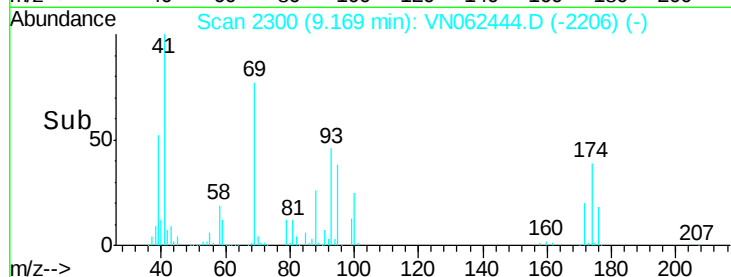
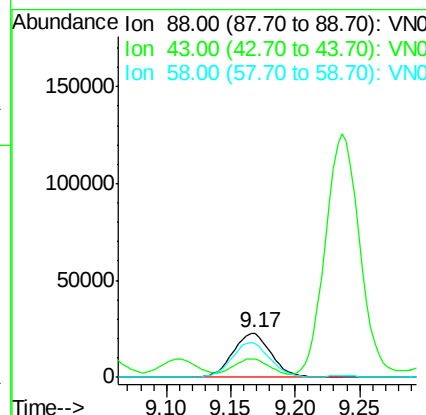
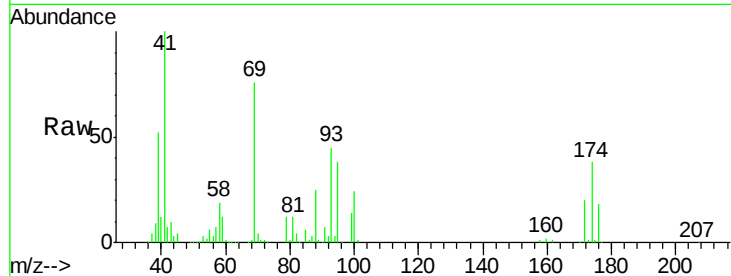
#49
1,4-Dioxane
Concen: 919.596 ug/l
RT: 9.17 min Scan# 2300
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	88	Resp	47230
Ion Ratio	Lower	Upper	
88	100		
43	39.0	31.0	46.4
58	78.9	63.3	94.9

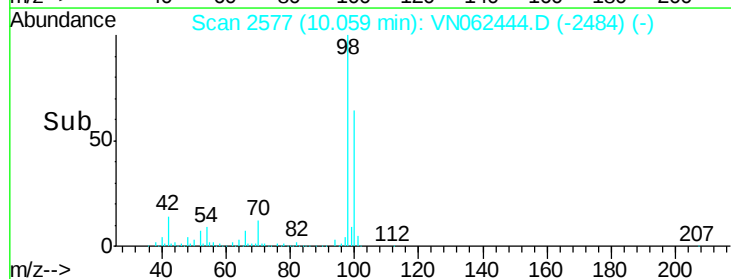
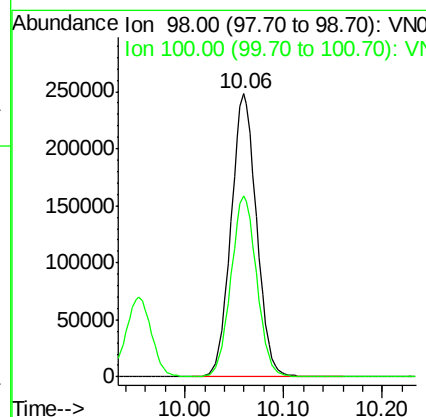
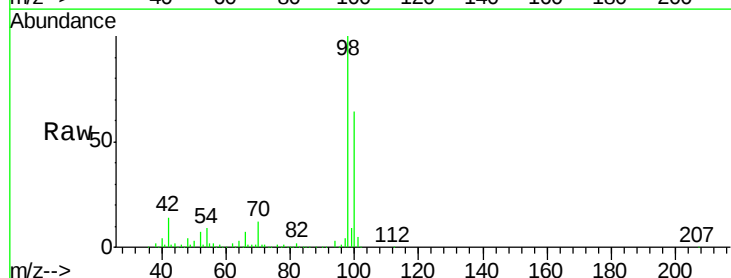
Manual Integrations
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7/9/2020 10:58:57 AM



#50
Toluene-d8
Concen: 47.681 ug/l
RT: 10.06 min Scan# 2577
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	98	Resp	449742
Ion Ratio	Lower	Upper	
98	100		
100	64.1	51.5	77.3





#51

4-Methyl-2-Pentanone

Concen: 245.557 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

Tot Ion: 43 Resp: 1055038

Ion Ratio Lower Upper

43 100

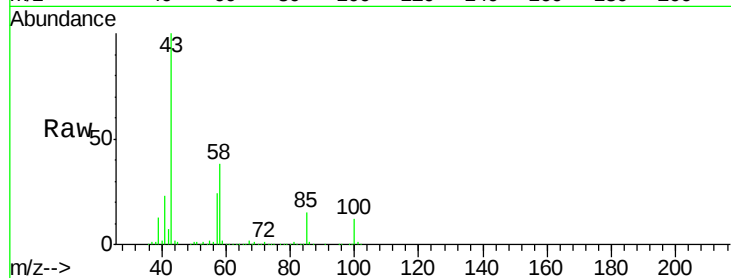
58 37.1 29.0 43.6

Manual Integrations

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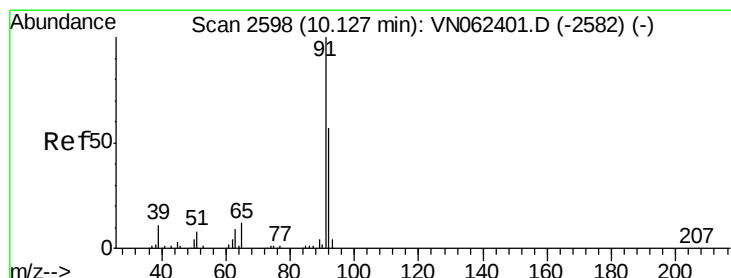
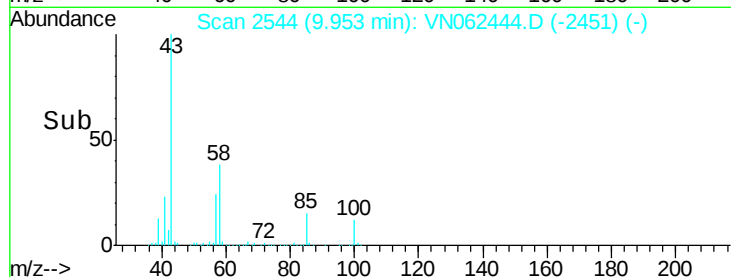
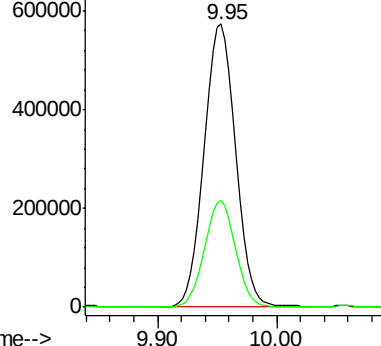
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 49.607 ug/l

RT: 10.12 min Scan# 2597

Delta R.T. -0.00 min

Lab File: VN062444.D

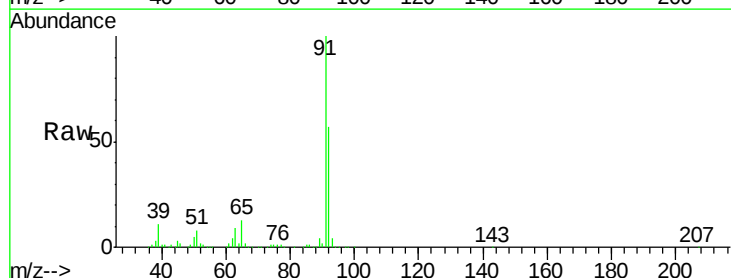
Acq: 9 Jul 2020 7:11

Tgt Ion: 92 Resp: 328867

Ion Ratio Lower Upper

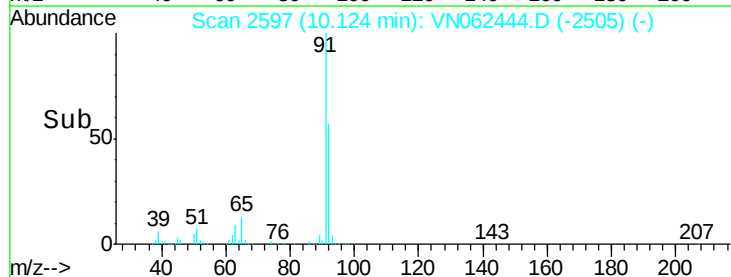
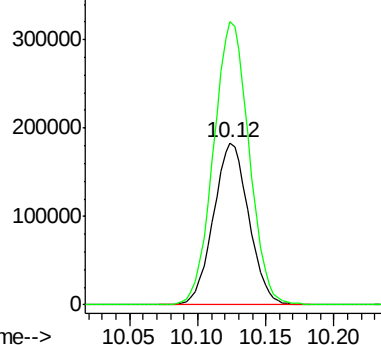
92 100

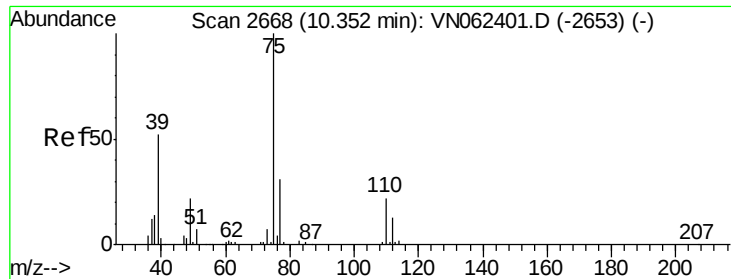
91 176.3 141.0 211.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





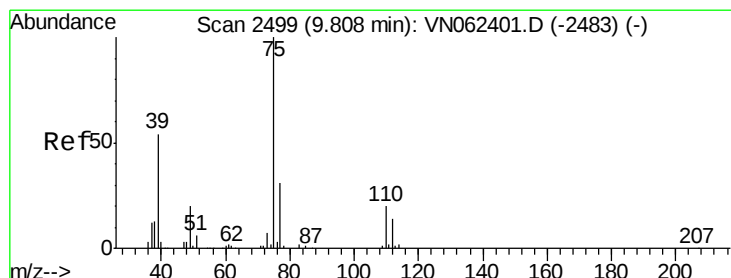
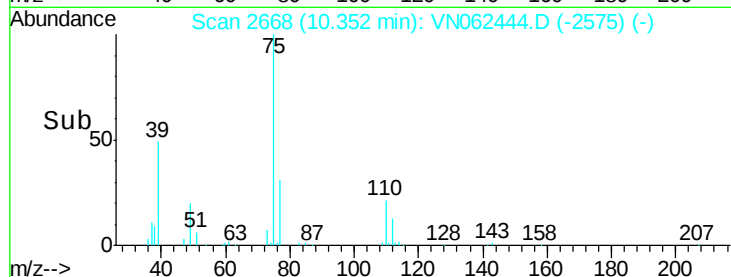
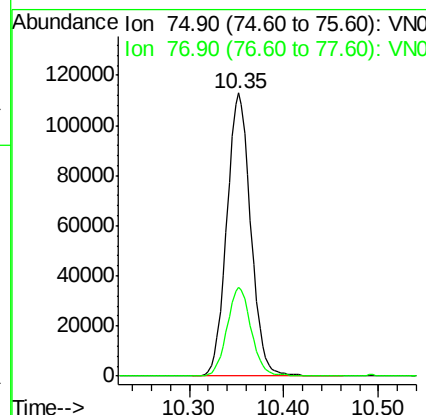
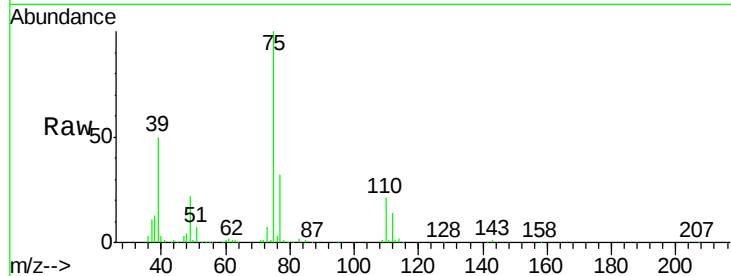
#53
t-1,3-Dichloropropene
Concen: 44.164 ug/l
RT: 10.35 min Scan# 2668
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.2	37.8

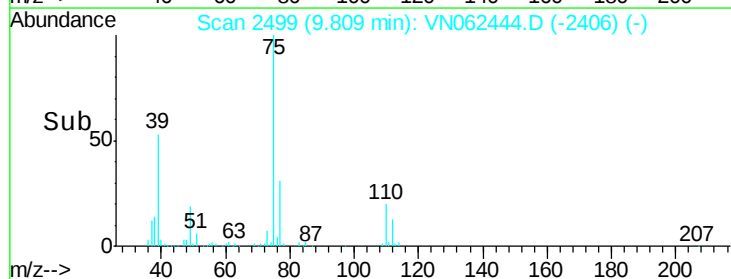
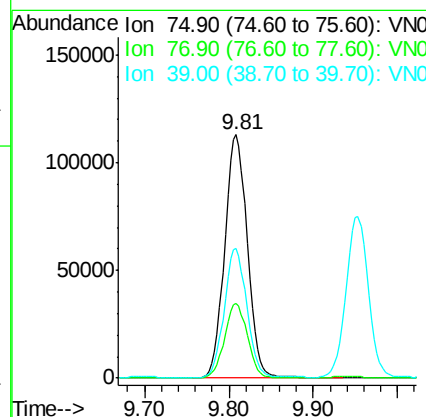
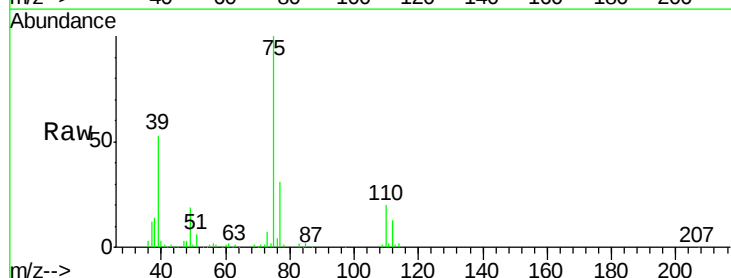
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#54
cis-1,3-Dichloropropene
Concen: 42.555 ug/l
RT: 9.81 min Scan# 2499
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.5	36.7
39	53.1	43.4	65.0





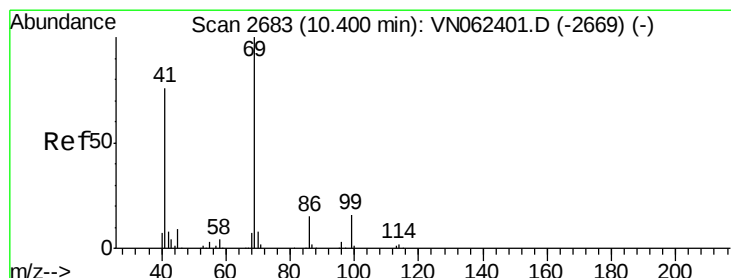
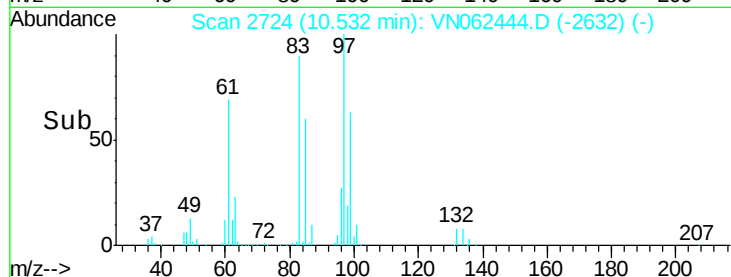
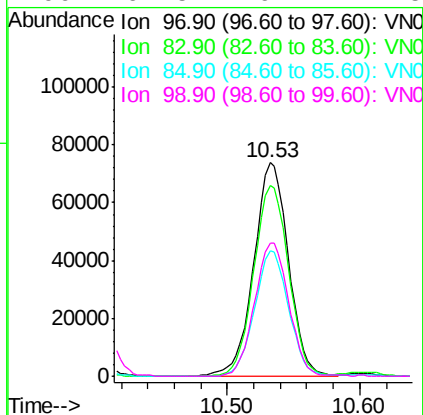
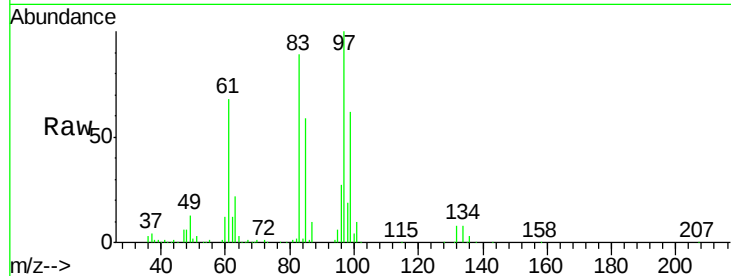
#55
 1,1,2-Trichloroethane
 Concen: 51.534 ug/l
 RT: 10.53 min Scan# 2724
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

Tot Ion:	97	Resp:	134370
Ion	Ratio	Lower	Upper
97	100		
83	89.3	71.0	106.4
85	58.6	46.2	69.4
99	62.5	49.7	74.5

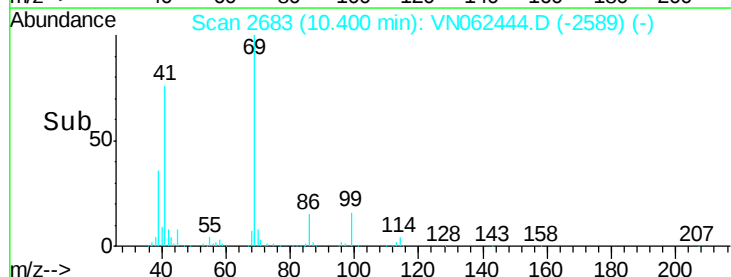
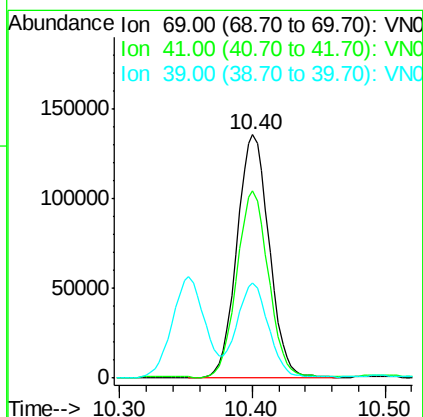
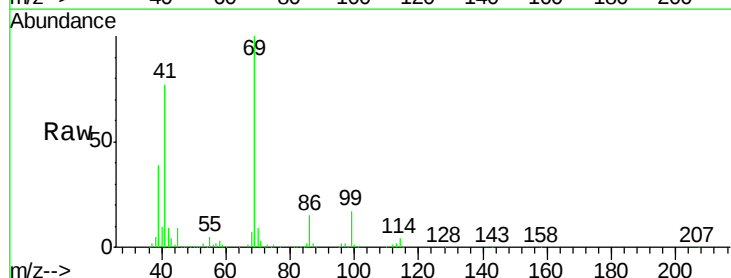
Manual Integrations
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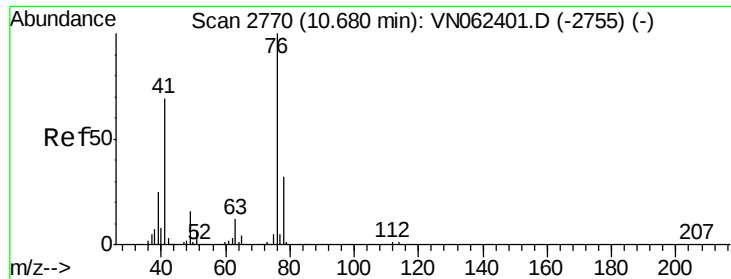
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#56
 Ethyl methacrylate
 Concen: 47.979 ug/l
 RT: 10.40 min Scan# 2683
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion:	69	Resp:	229883
Ion	Ratio	Lower	Upper
69	100		
41	75.1	59.7	89.5
39	37.2	30.6	45.8





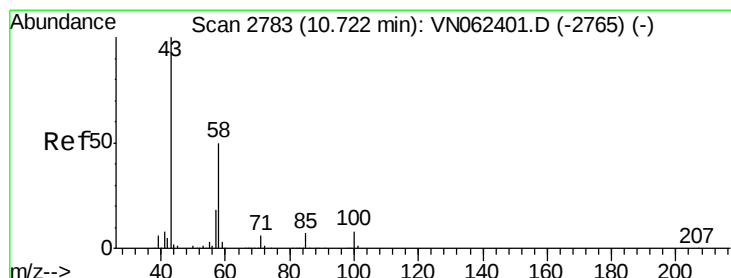
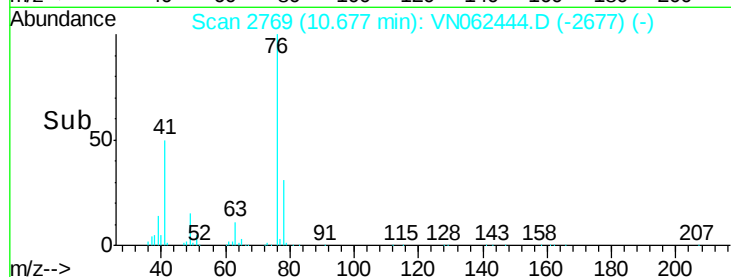
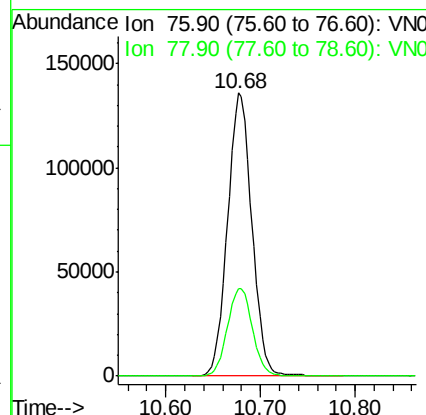
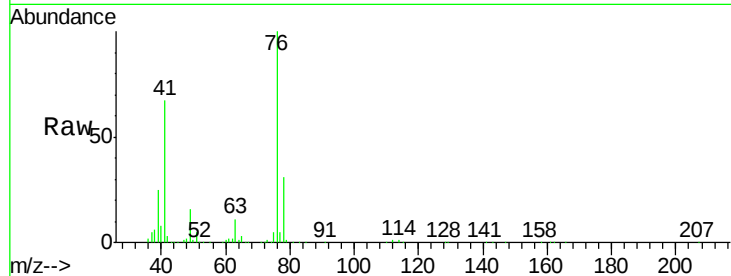
#57
 1,3-Dichloropropane
 Concen: 50.445 ug/l
 RT: 10.68 min Scan# 2769
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampled :
 MW-14MSD

Tot Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.6	38.4

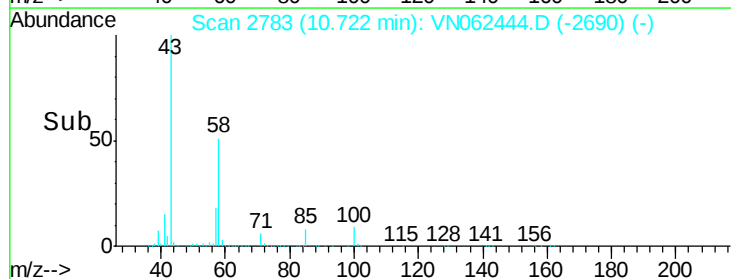
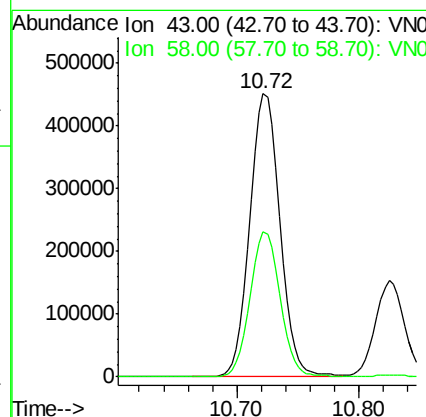
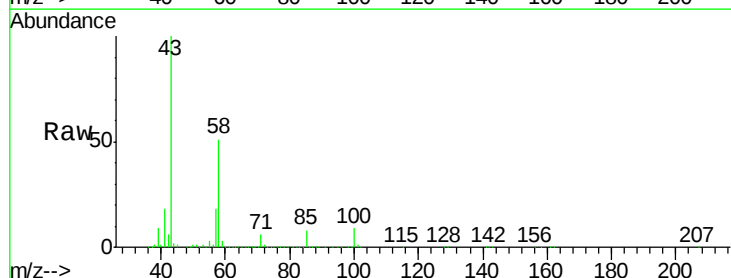
Manual Integrations
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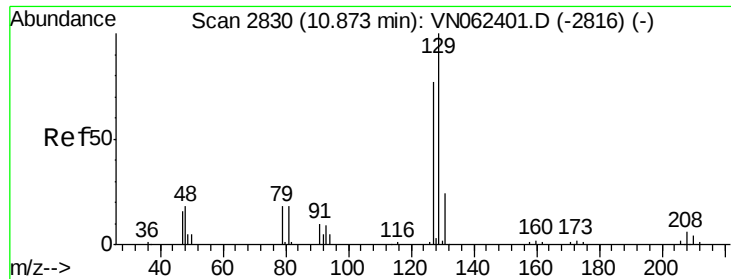
MMDadoda
 7/9/2020 10:58:57 AM



#59
 2-Hexanone
 Concen: 245.205 ug/l
 RT: 10.72 min Scan# 2783
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
43	100		
58	51.3	25.1	75.2





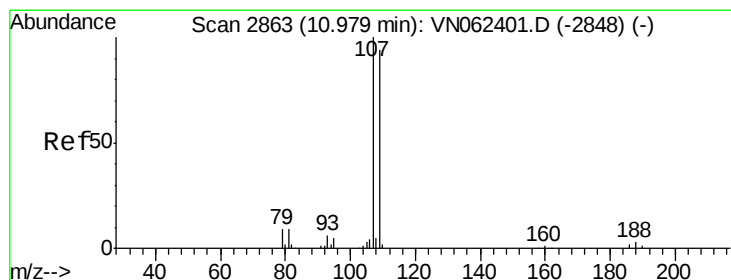
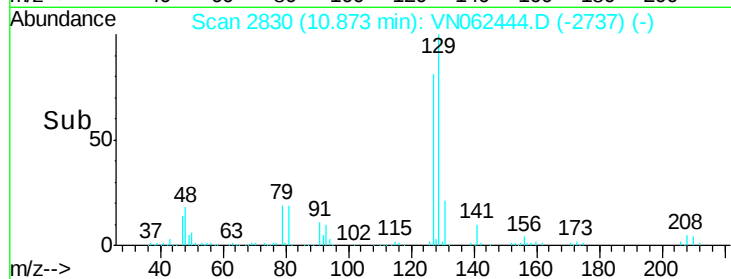
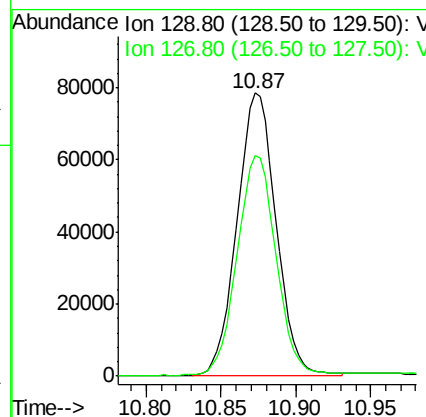
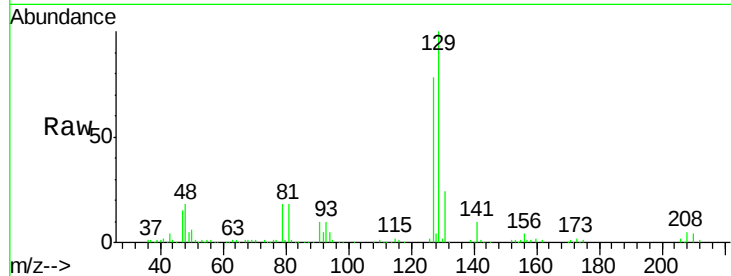
#60
 Dibromochloromethane
 Concen: 50.088 ug/l
 RT: 10.87 min Scan# 2830
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion	Ratio	Lower	Upper
129	100		
127	77.6	38.6	115.8

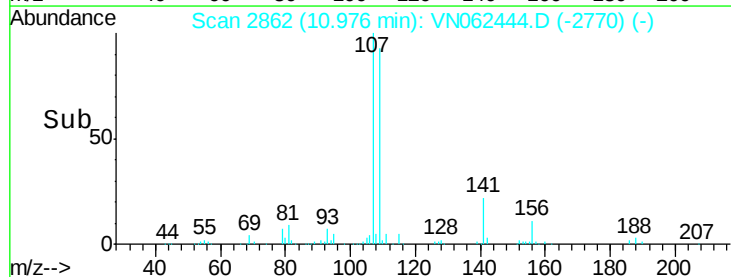
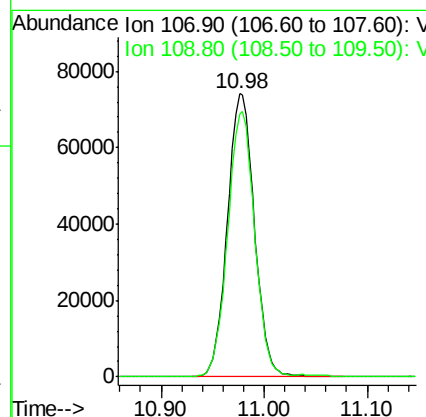
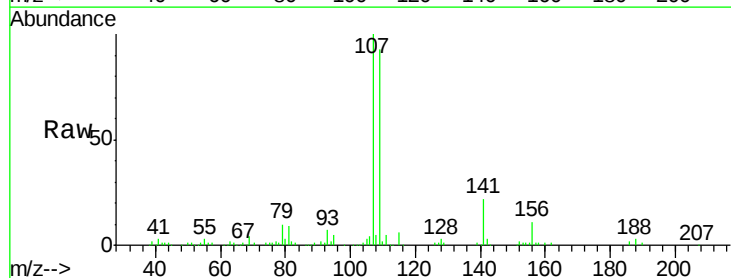
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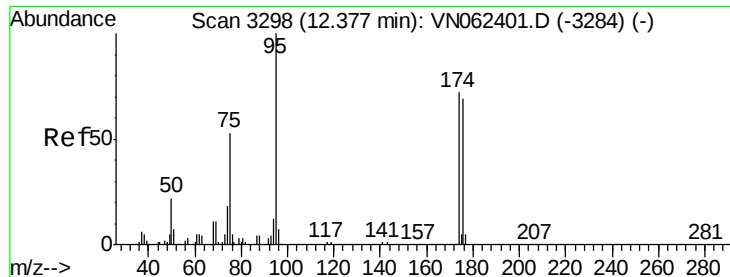
MMDadoda
 7/9/2020 10:58:57 AM



#61
 1,2-Dibromoethane
 Concen: 51.433 ug/l
 RT: 10.98 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.6	113.4





#62

4-Bromofluorobenzene

Concen: 48.293 ug/l

RT: 12.38 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

Tot Ion: 95 Resp: 166458
Ion Ratio Lower Upper

95 100

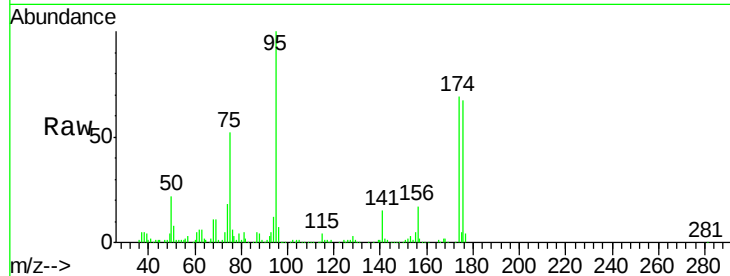
174 69.0 0.0 141.6

176 66.0 0.0 137.2

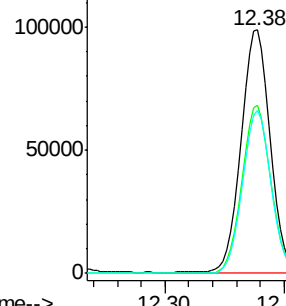
Manual Integrations
APPROVED

MMDadoda

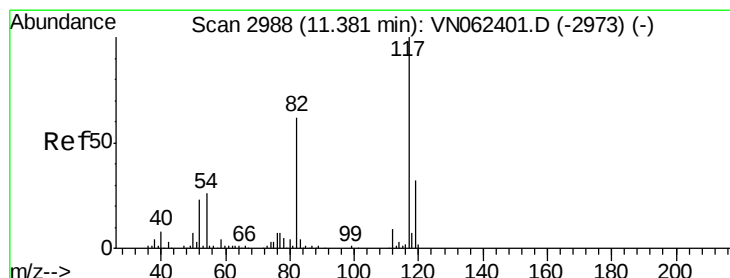
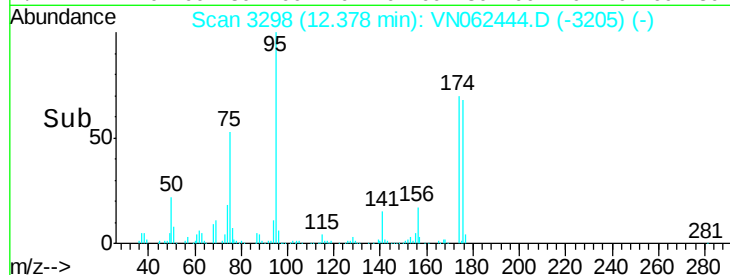
7/9/2020 10:58:57 AM



Abundance Ion 94.90 (94.60 to 95.60): VN062401.D (-3284) (-)
Ion 173.80 (173.50 to 174.50): VN062401.D (-3284) (-)
Ion 175.80 (175.50 to 176.50): VN062401.D (-3284) (-)



Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.38 min Scan# 2988

Delta R.T. 0.00 min

Lab File: VN062444.D

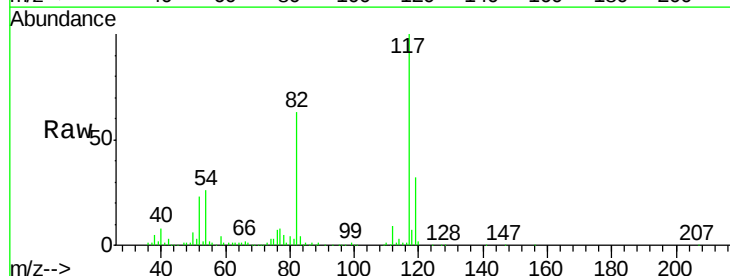
Acq: 9 Jul 2020 7:11

Tgt Ion: 117 Resp: 347330
Ion Ratio Lower Upper

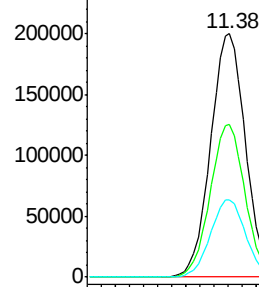
117 100

82 62.5 49.6 74.4

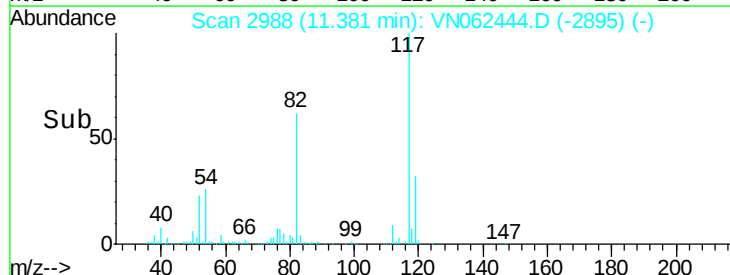
119 32.0 25.4 38.0

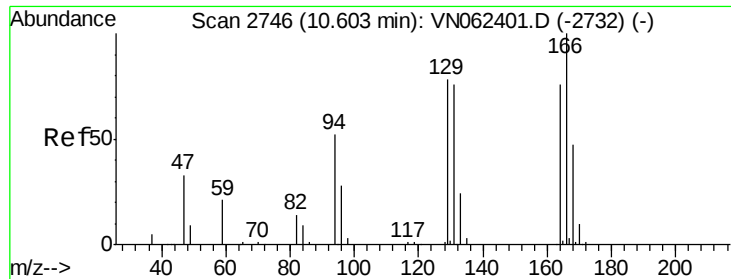


Abundance Ion 116.90 (116.60 to 117.60): VN062401.D (-2973) (-)
Ion 82.00 (81.70 to 82.70): VN062401.D (-2973) (-)
Ion 118.90 (118.60 to 119.60): VN062401.D (-2973) (-)



Time-->





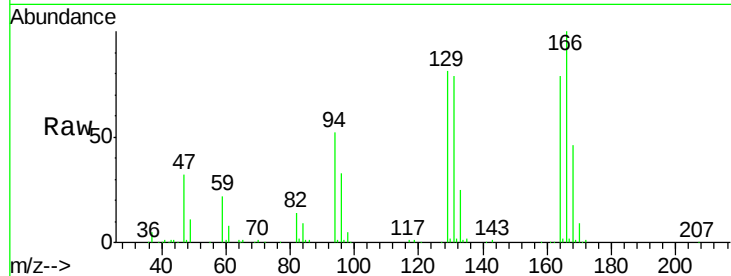
#64
Tetrachloroethene
Concen: 45.814 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

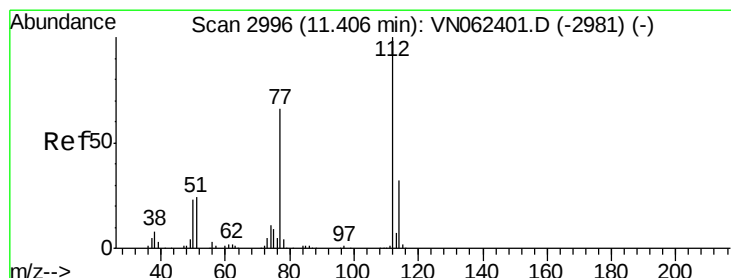
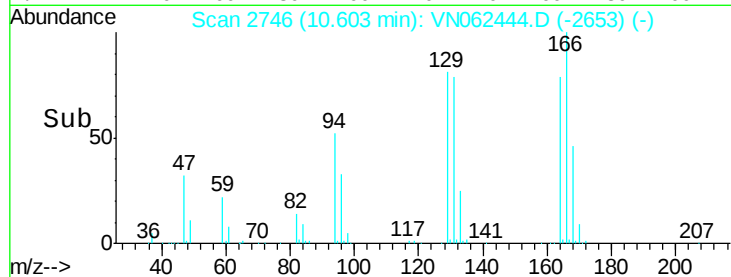
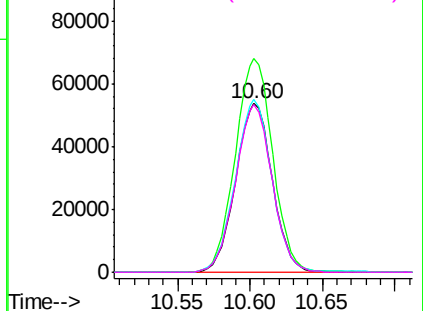
Tot Ion:	164	Resp:	94424
Ion	Ratio	Lower	Upper
164	100		
166	126.6	104.9	157.3
129	102.6	81.8	122.6
131	99.4	79.3	118.9

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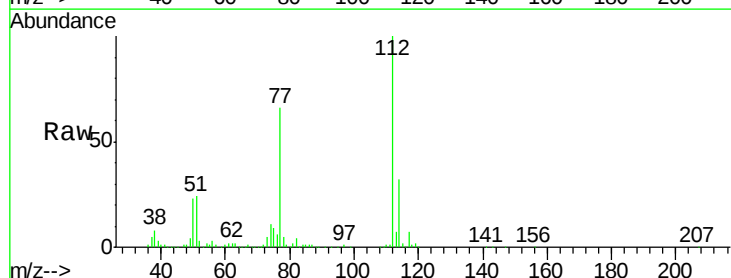


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

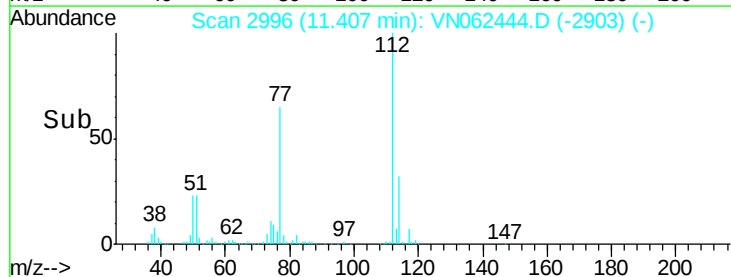
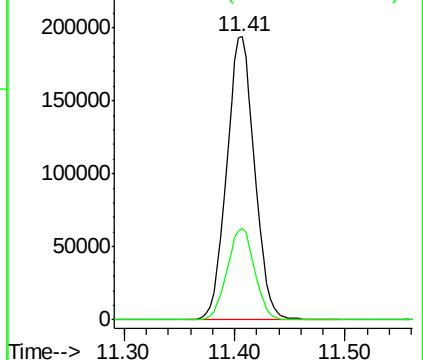


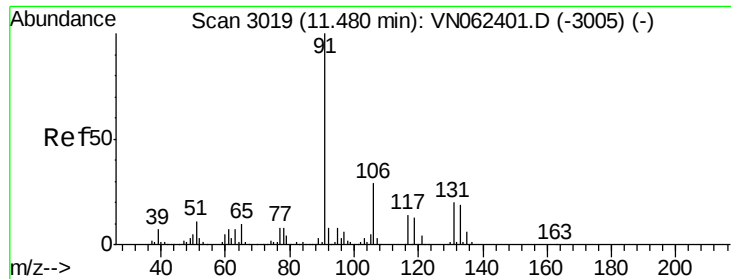
#65
Chlorobenzene
Concen: 50.216 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion:	112	Resp:	338981
Ion	Ratio	Lower	Upper
112	100		
114	32.1	25.9	38.9



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 49.520 ug/l

RT: 11.48 min Scan# 3019

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

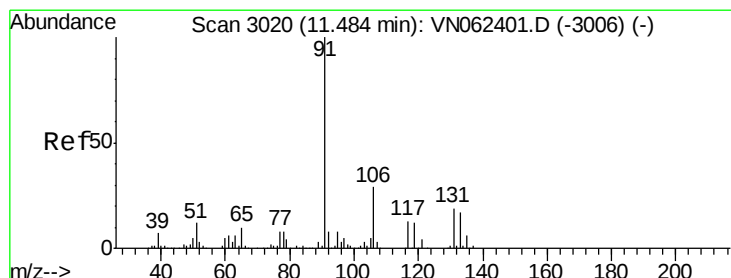
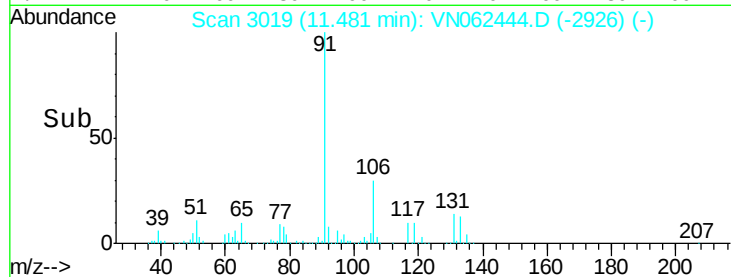
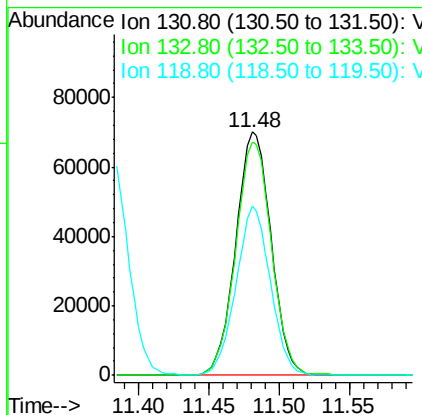
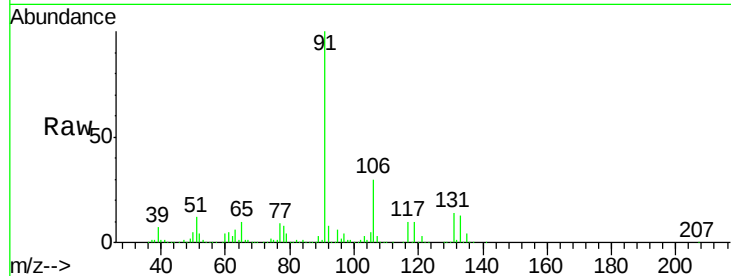
ClientSampled :

MW-14MSD

Tot Ion	Ratio	Resp	Lower	Upper
131	100	123273		
133	96.9	46.9	140.8	
119	67.5	33.2	99.6	

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#67

Ethyl Benzene

Concen: 70.170 ug/l

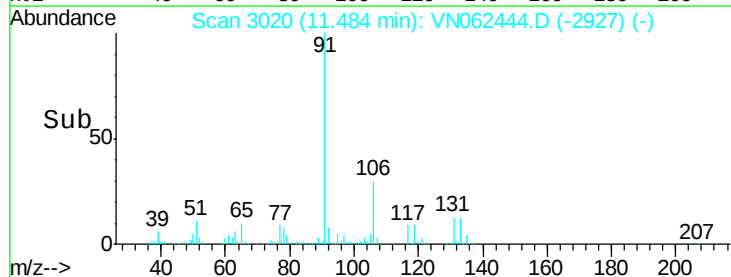
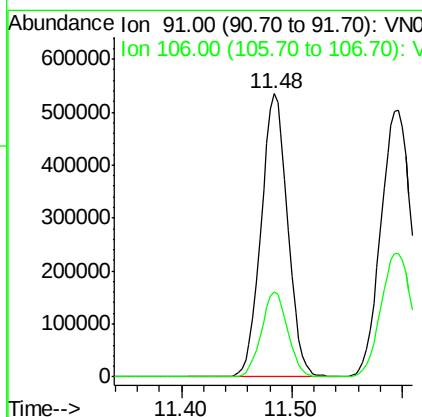
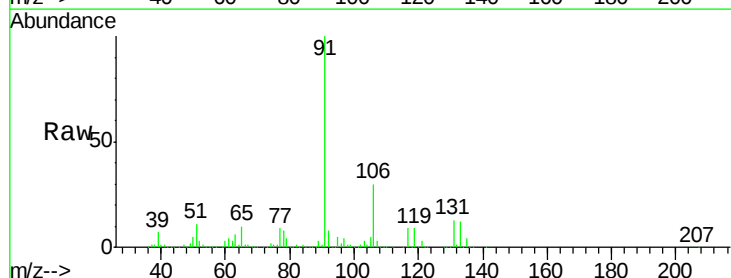
RT: 11.48 min Scan# 3020

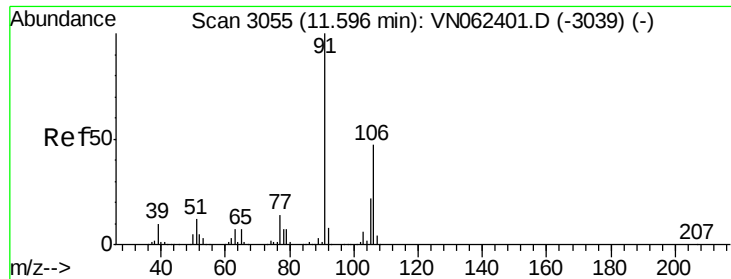
Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	889138		
106	30.2	23.4	35.2	





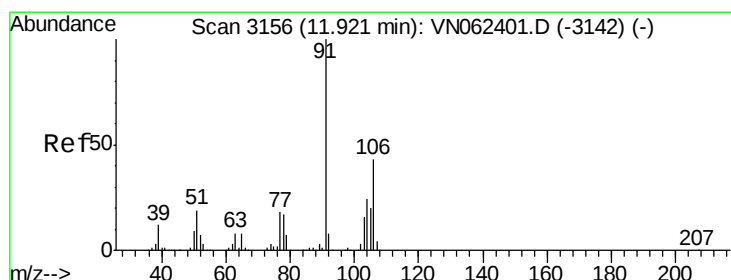
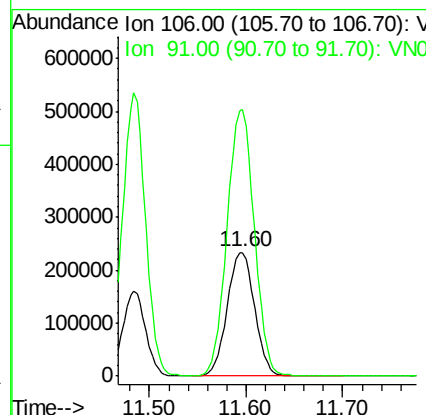
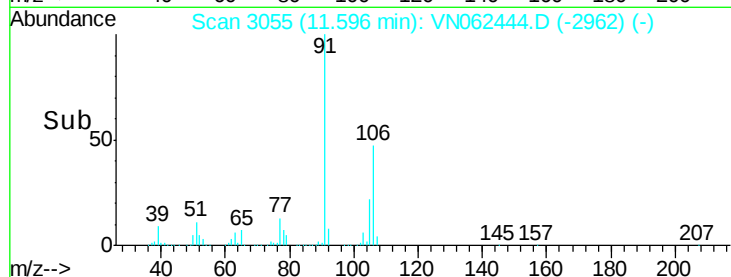
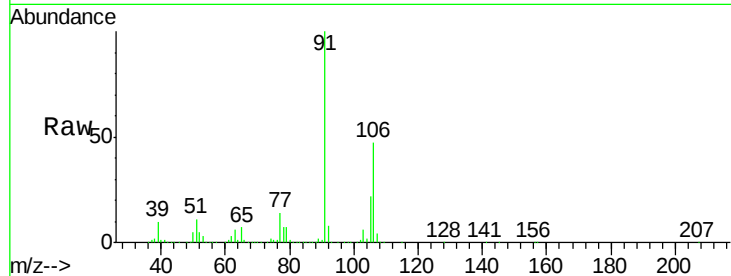
#68
m/p-Xylenes
Concen: 102.623 ug/l
RT: 11.60 min Scan# 3055
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion:106 Resp: 460336
Ion Ratio Lower Upper
106 100
91 213.3 172.4 258.6

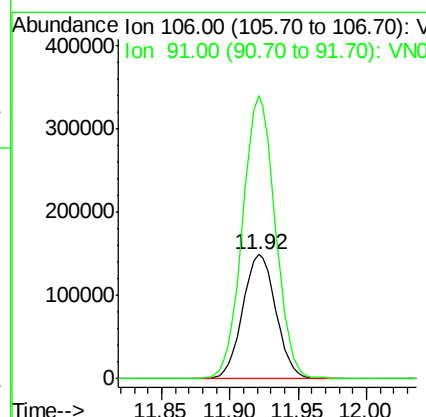
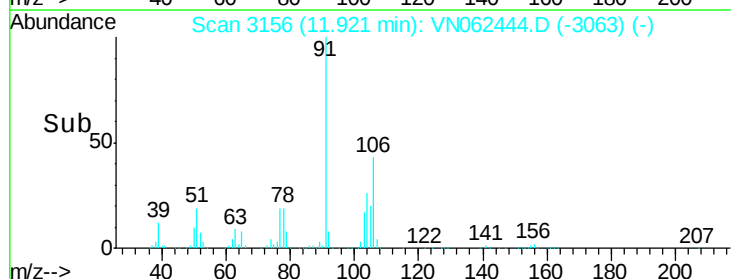
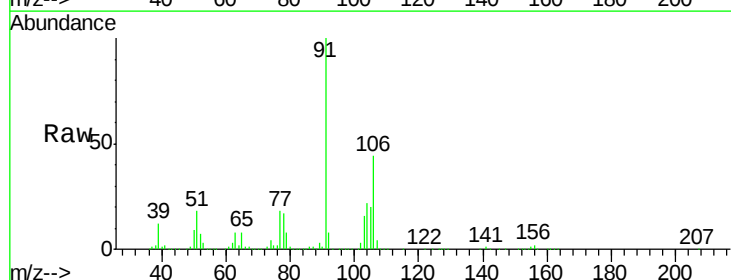
Manual Integrations
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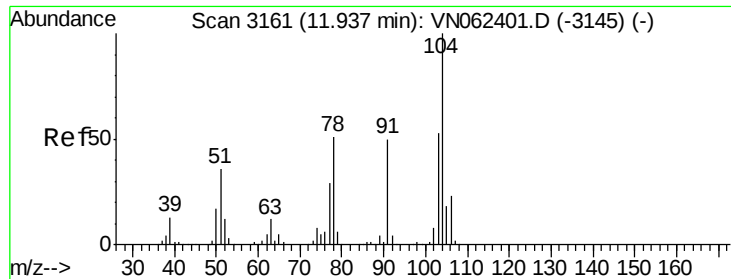
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#69
o-Xylene
Concen: 57.907 ug/l
RT: 11.92 min Scan# 3156
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion:106 Resp: 252907
Ion Ratio Lower Upper
106 100
91 223.4 113.8 341.4





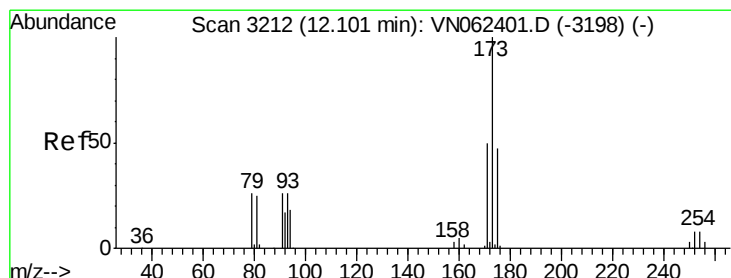
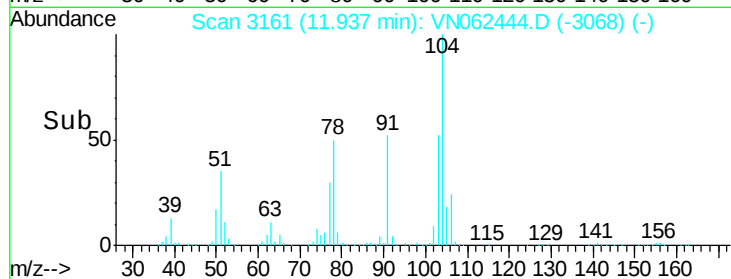
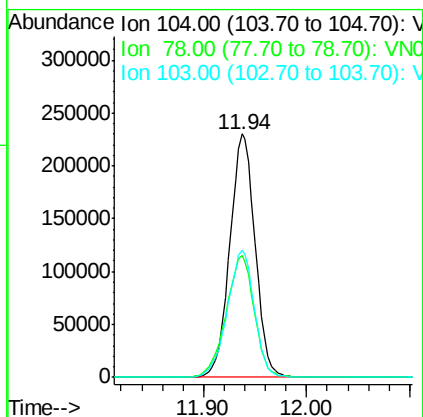
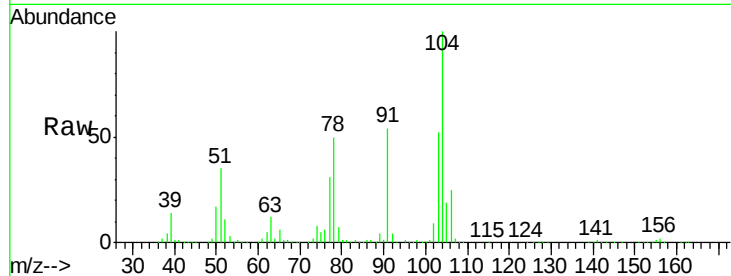
#70
Stvrene
Concen: 54.518 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampleId :
MW-14MSD

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	44.2	66.4
103	55.6	44.4	66.6

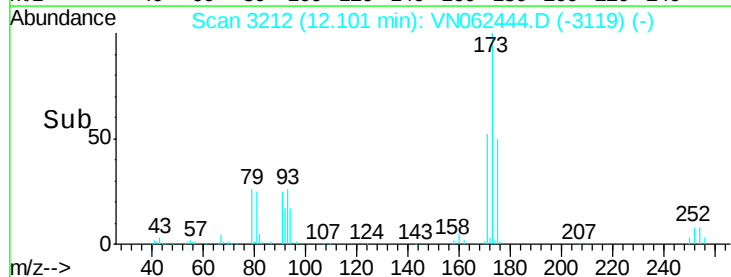
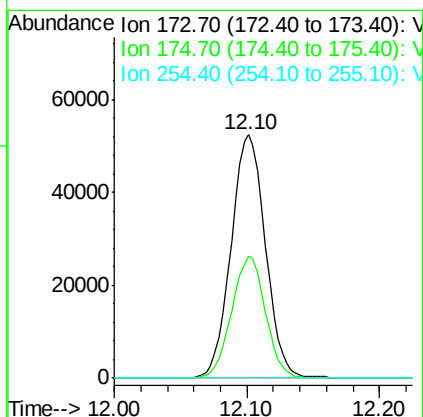
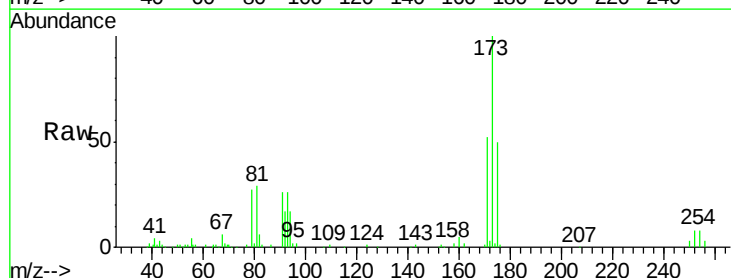
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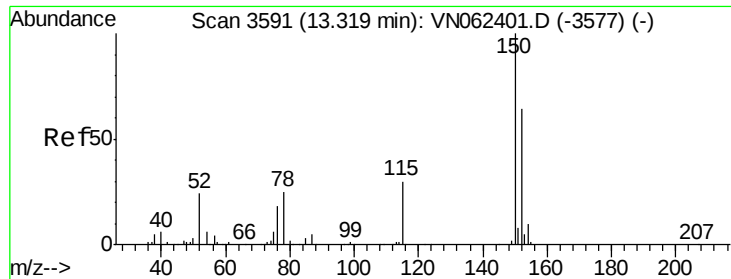
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#71
Bromoform
Concen: 51.681 ug/l
RT: 12.10 min Scan# 3212
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
173	100		
175	49.2	23.7	71.1
254	0.0	0.0	0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3590

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion:152 Resp: 151896

Ion Ratio Lower Upper

152 100

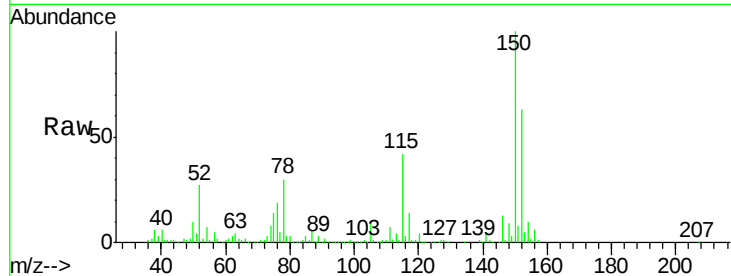
115 57.4 31.4 94.2

150 164.8 0.0 347.4

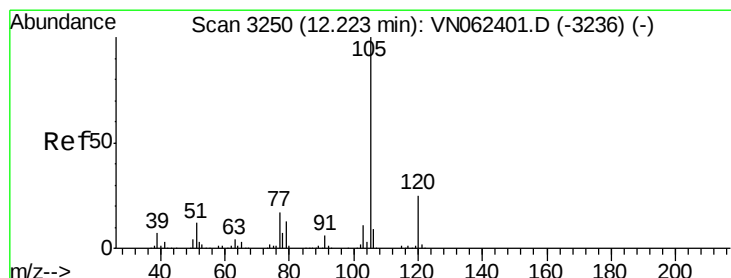
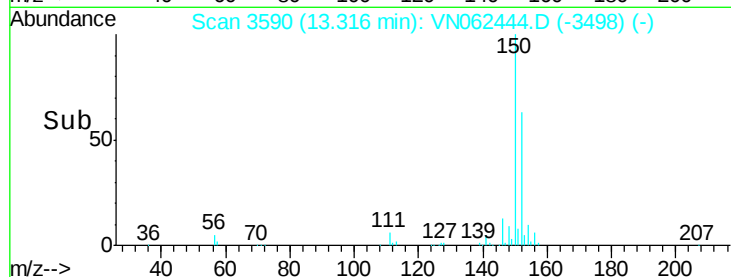
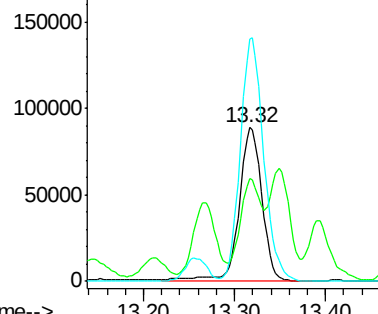
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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 152.963 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. 0.00 min

Lab File: VN062444.D

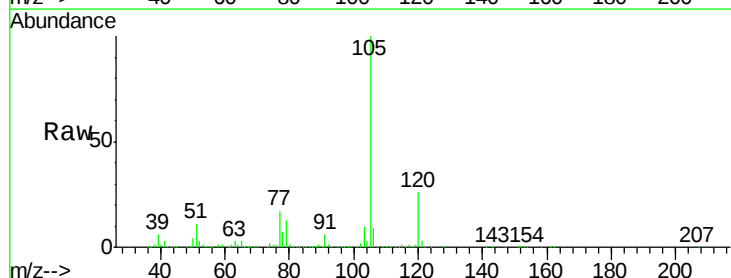
Acq: 9 Jul 2020 7:11

Tgt Ion:105 Resp: 1797937

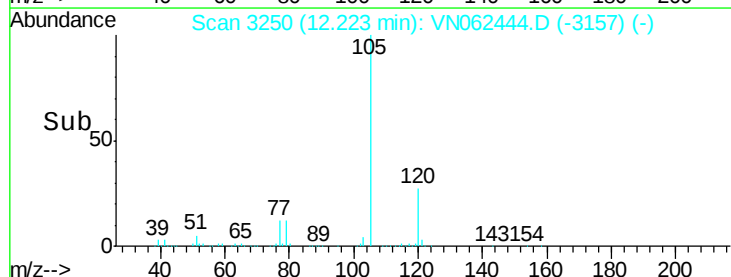
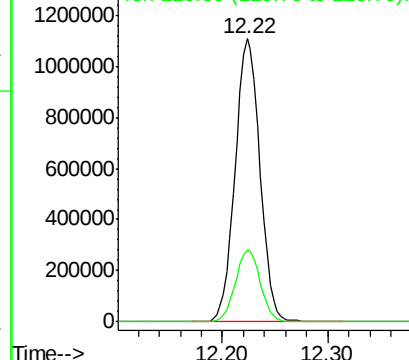
Ion Ratio Lower Upper

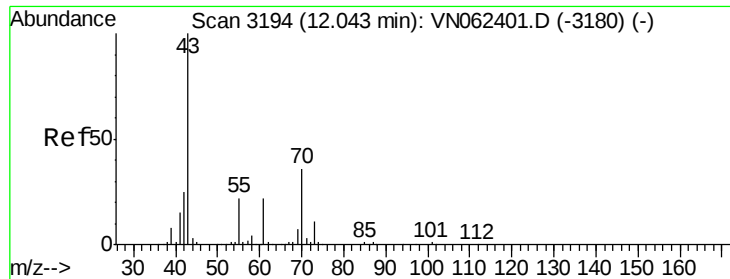
105 100

120 25.8 12.7 38.1



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 45.431 ug/l

RT: 12.04 min Scan# 3194

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

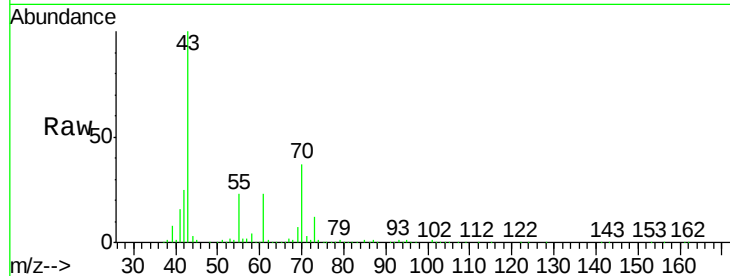
ClientSampleId :

MW-14MSD

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
70	37.0	30.0	45.0	
55	24.1	18.2	27.4	
61	22.8	17.7	26.5	

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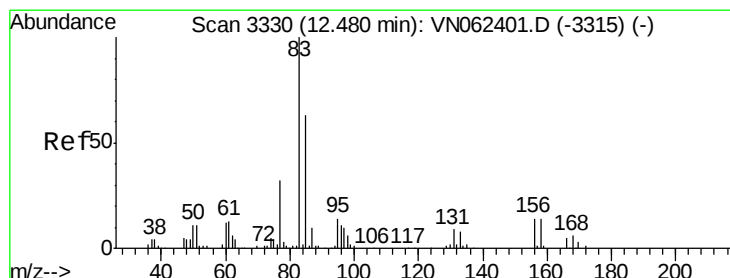
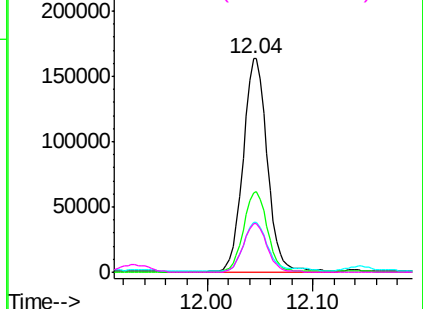
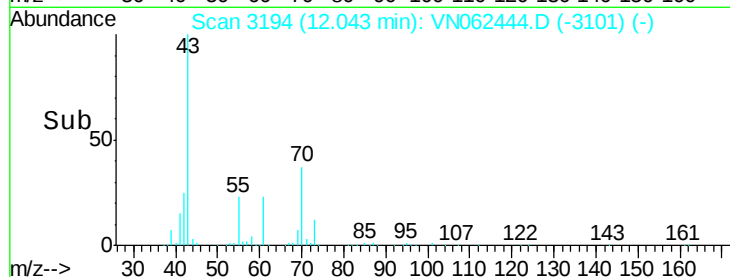


Abundance Ion 43.00 (42.70 to 43.70): VN062444.D (-3101) (-)

Ion 70.00 (69.70 to 70.70): VN062444.D (-3101) (-)

Ion 55.00 (54.70 to 55.70): VN062444.D (-3101) (-)

Ion 61.00 (60.70 to 61.70): VN062444.D (-3101) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 50.521 ug/l

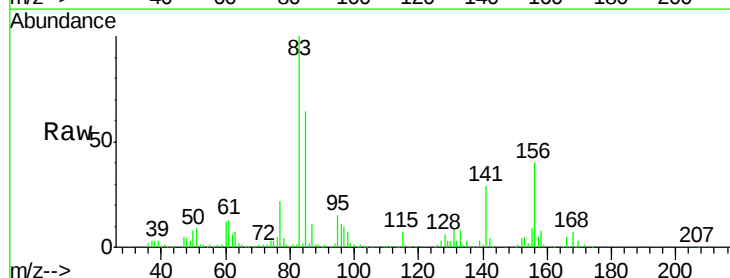
RT: 12.48 min Scan# 3329

Delta R.T. -0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

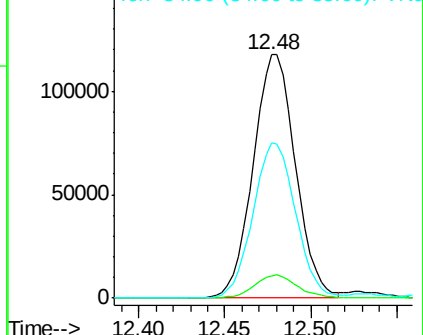
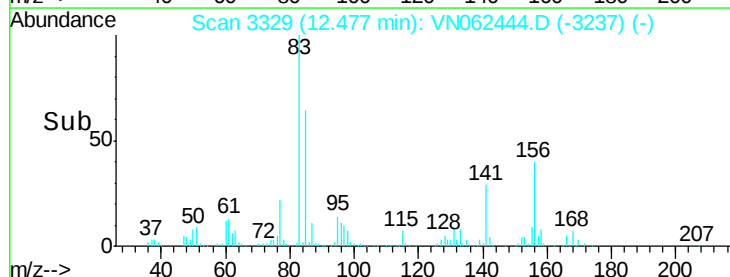
Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
131	9.6	4.5	13.5	
85	64.1	31.9	95.9	

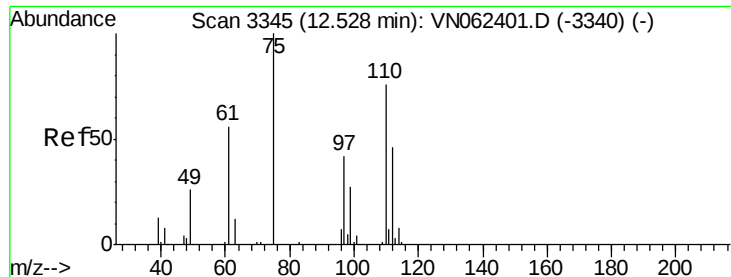


Abundance Ion 82.90 (82.60 to 83.60): VN062444.D (-3237) (-)

Ion 130.80 (130.50 to 131.50): VN062444.D (-3237) (-)

Ion 84.90 (84.60 to 85.60): VN062444.D (-3237) (-)





#76

1,2,3-Trichloropropane

Concen: 48.752 ug/l m

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 75 Resp: 181700

Ion Ratio Lower Upper

75 100

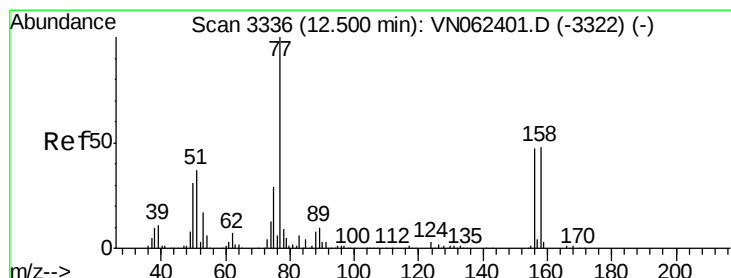
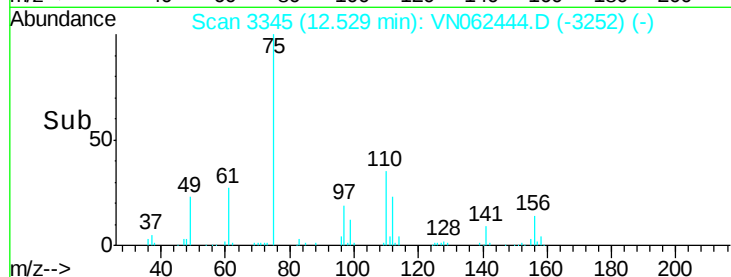
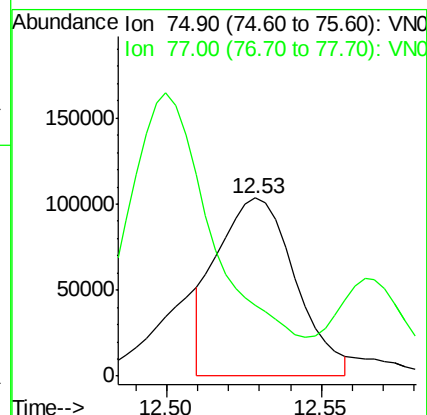
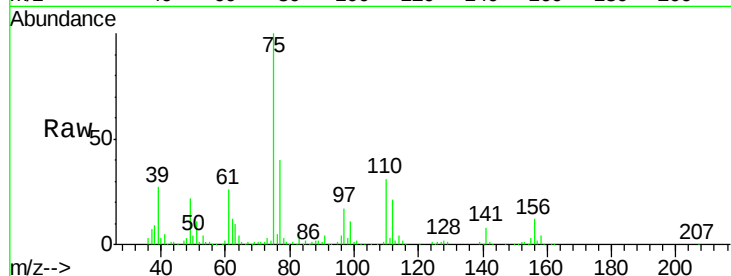
77 0.0 0.0 0.0

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#77

Bromobenzene

Concen: 68.877 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

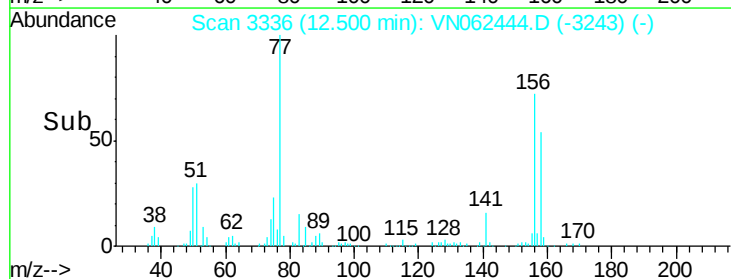
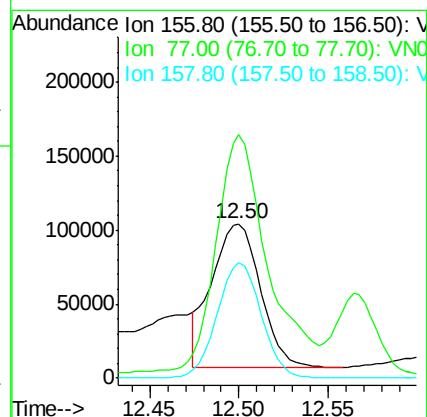
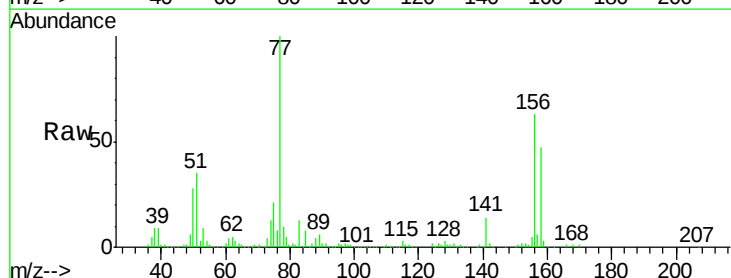
Tgt Ion: 156 Resp: 184052

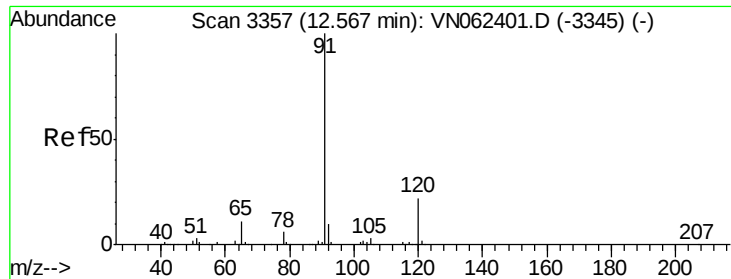
Ion Ratio Lower Upper

156 100

77 170.3 126.4 379.3

158 72.2 49.8 149.4





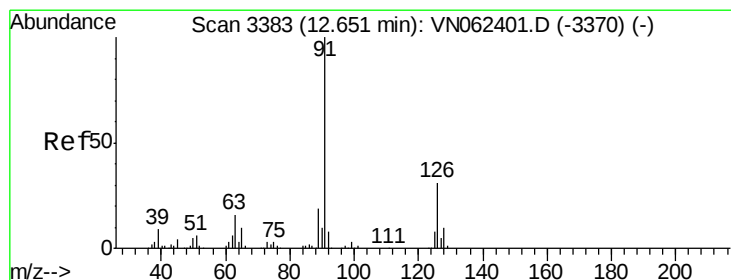
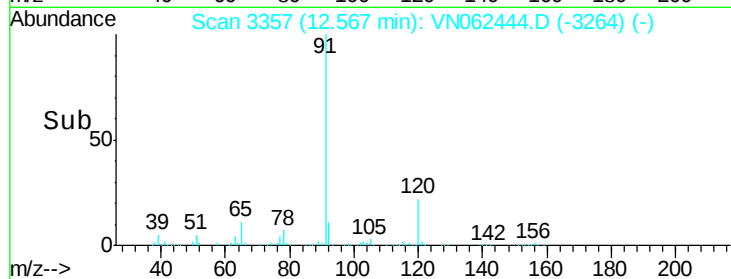
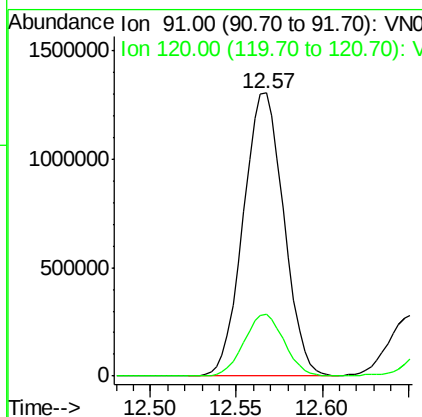
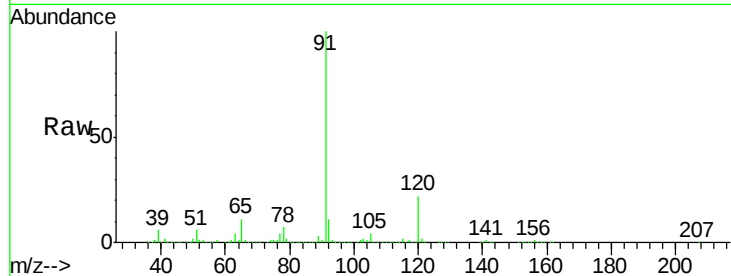
#78
n-propylbenzene
Concen: 154.640 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion: 91 Resp: 2123203
Ion Ratio Lower Upper
91 100
120 21.7 10.7 32.1

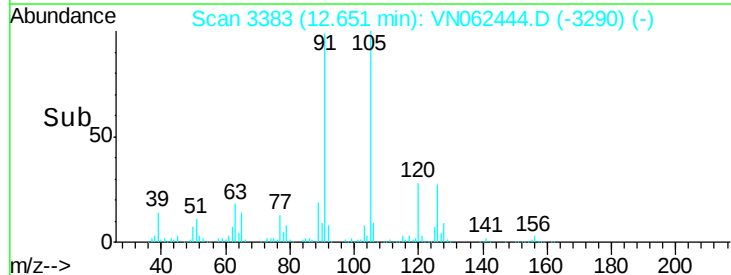
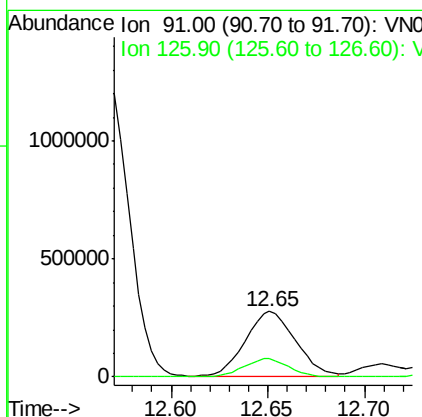
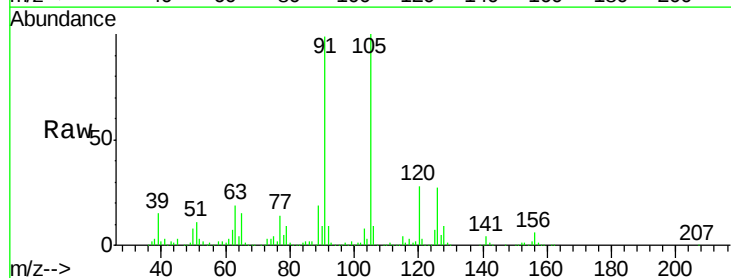
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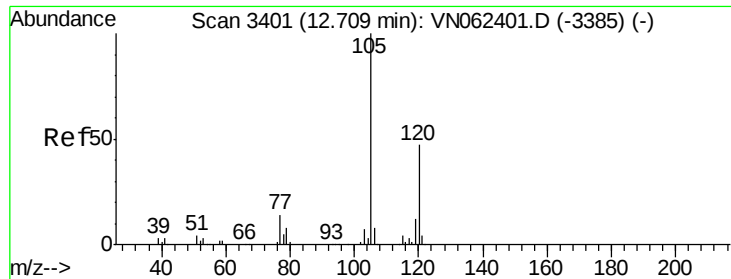
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#79
2-Chlorotoluene
Concen: 59.873 ug/l
RT: 12.65 min Scan# 3383
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion: 91 Resp: 498926
Ion Ratio Lower Upper
91 100
126 25.7 15.6 46.7





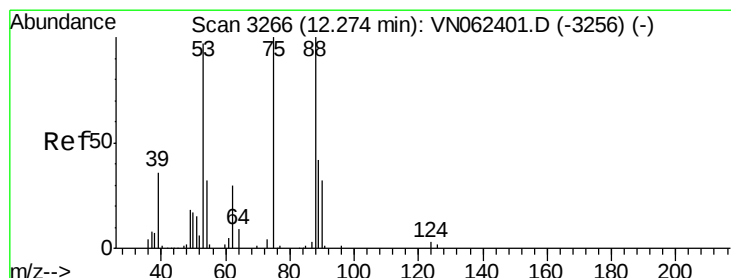
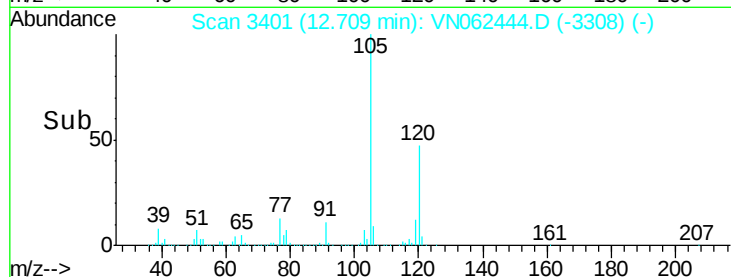
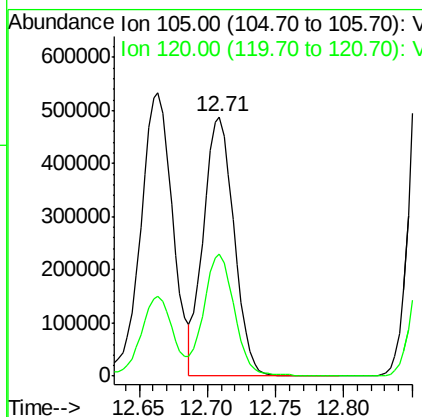
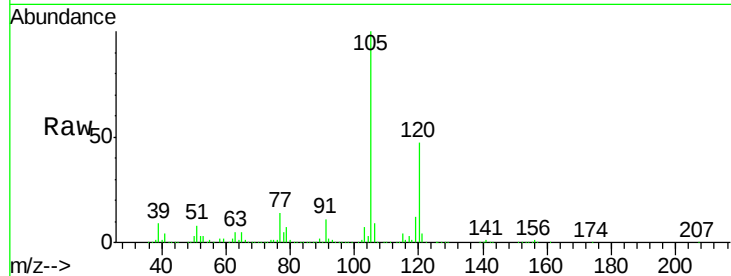
#80
 1,3,5-Trimethylbenzene
 Concen: 78.566 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion:105 Resp: 757042
 Ion Ratio Lower Upper
 105 100
 120 48.3 23.4 70.2

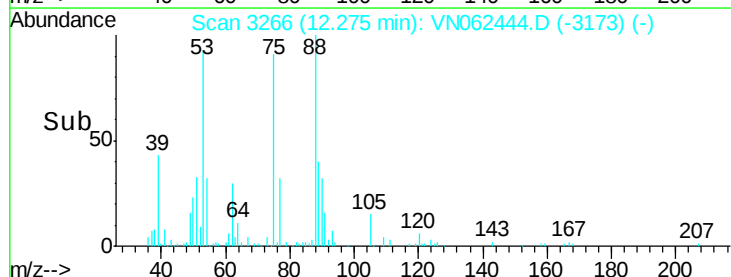
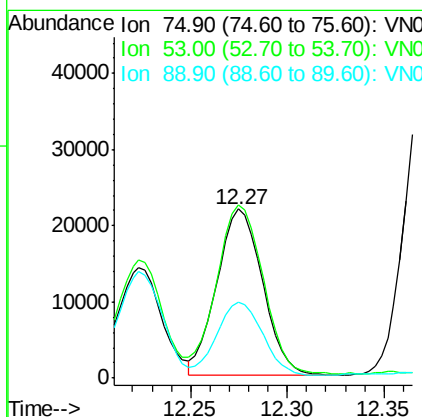
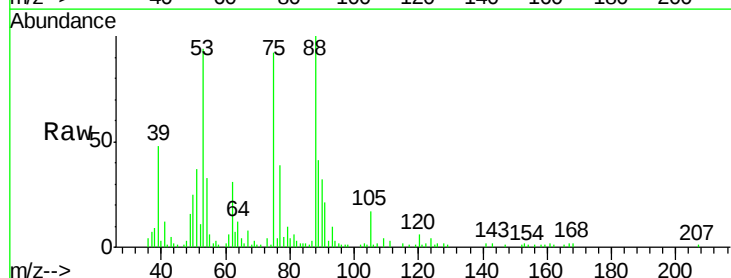
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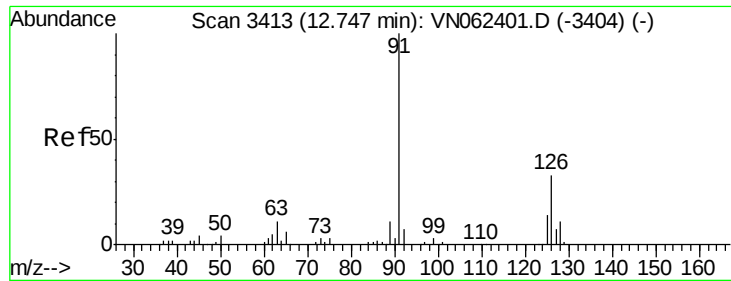
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#81
 trans-1,4-Dichloro-2-butene
 Concen: 25.733 ug/l
 RT: 12.27 min Scan# 3266
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 75 Resp: 35832
 Ion Ratio Lower Upper
 75 100
 53 102.6 79.2 118.8
 89 44.8 34.6 52.0





#82

4-Chlorotoluene

Concen: 49.716 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampleId :

MW-14MSD

Tot Ion: 91 Resp: 420593

Ion Ratio Lower Upper

91 100

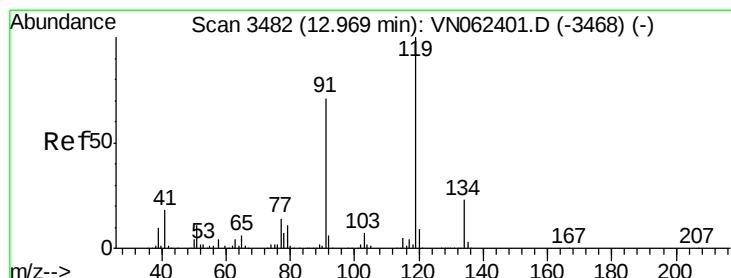
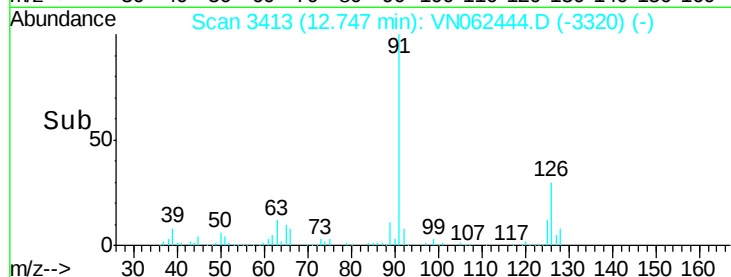
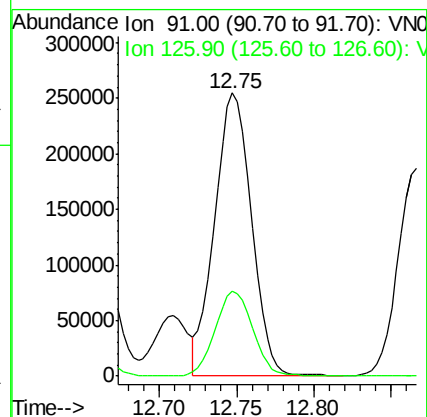
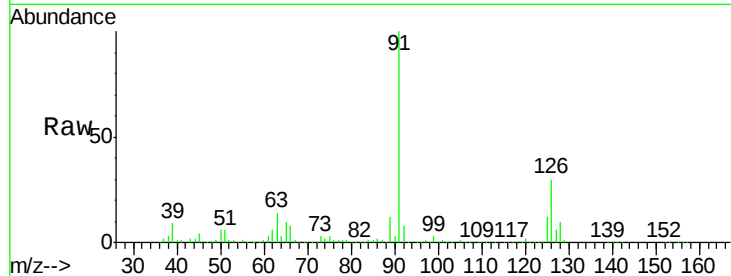
126 31.0 15.2 45.6

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#83

tert-Butylbenzene

Concen: 40.975 ug/l

RT: 12.97 min Scan# 3482

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

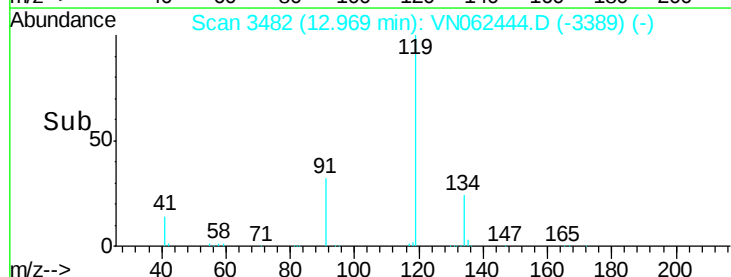
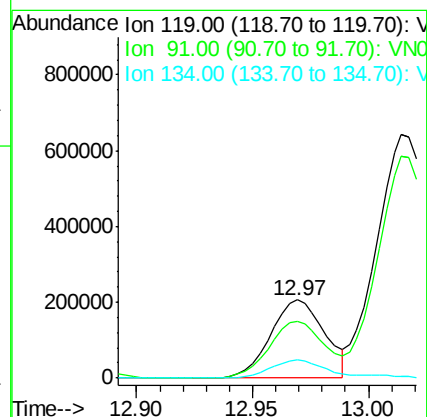
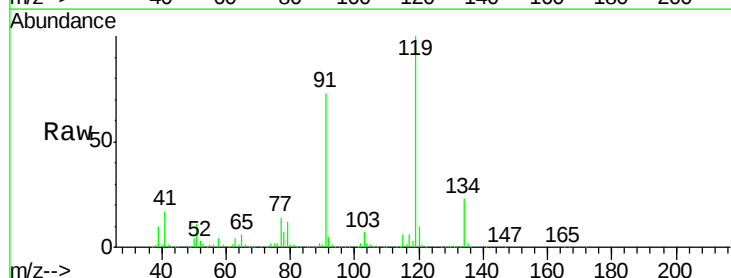
Tgt Ion: 119 Resp: 335059

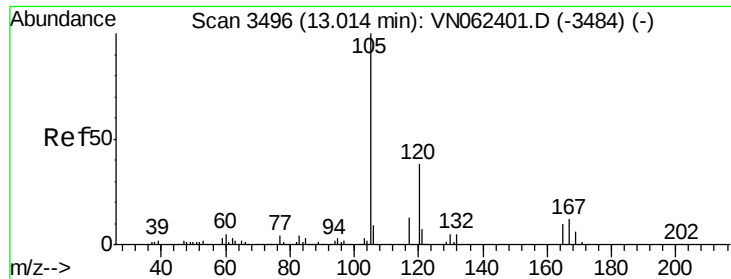
Ion Ratio Lower Upper

119 100

91 74.1 34.8 104.3

134 23.5 11.7 35.0





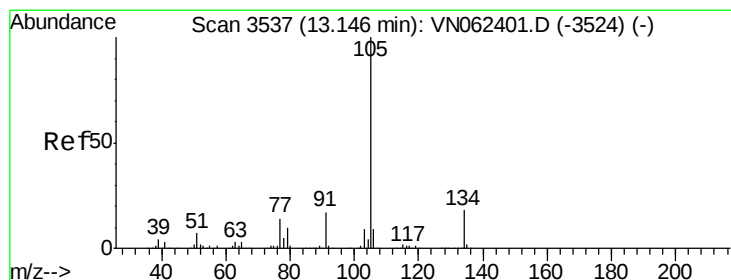
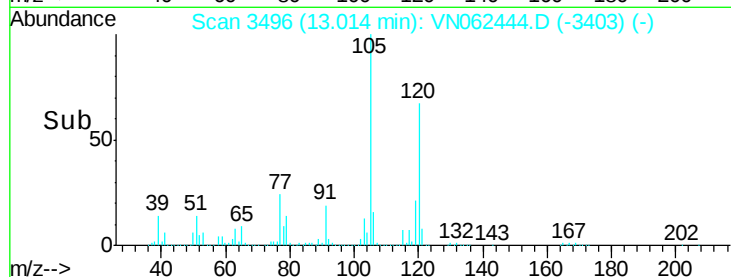
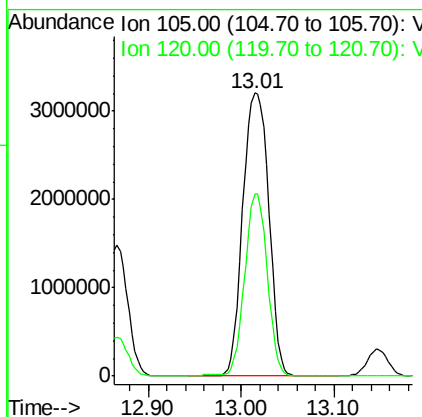
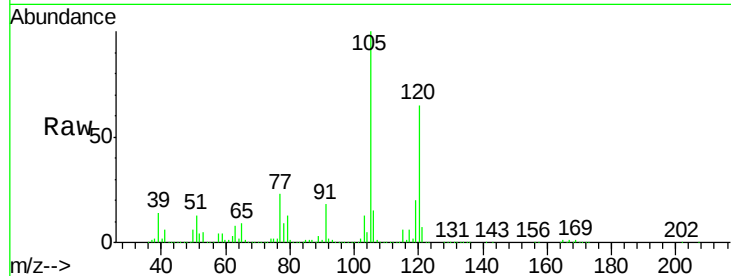
#84
 1,2,4-Trimethylbenzene
 Concen: 650.195 ug/l
 RT: 13.01 min Scan# 3496
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion:105 Resp: 6227364
 Ion Ratio Lower Upper
 105 100
 120 55.9 21.6 64.8

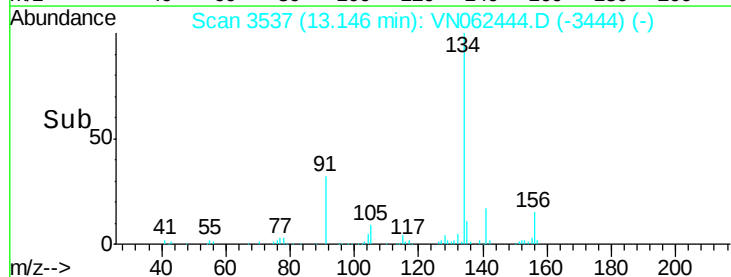
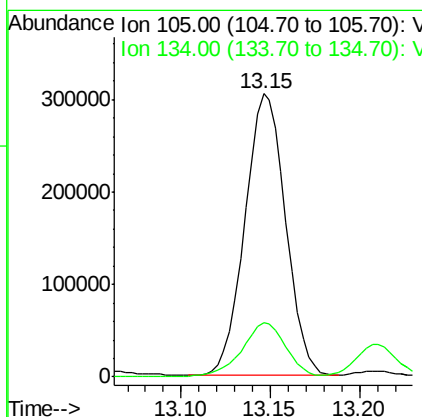
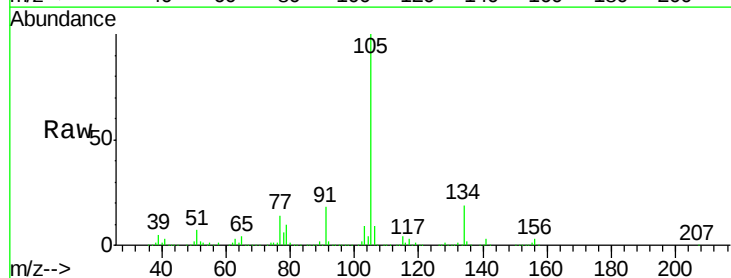
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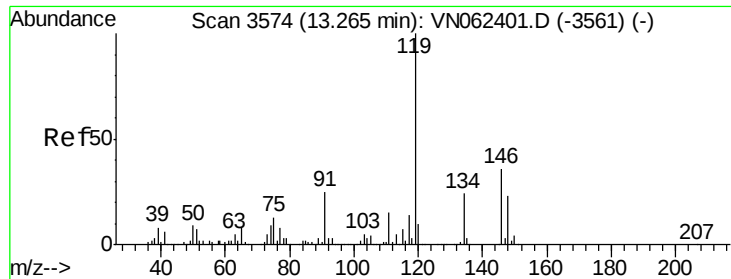
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#85
 sec-Butylbenzene
 Concen: 44.750 ug/l
 RT: 13.15 min Scan# 3537
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion:105 Resp: 484894
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.3 28.0





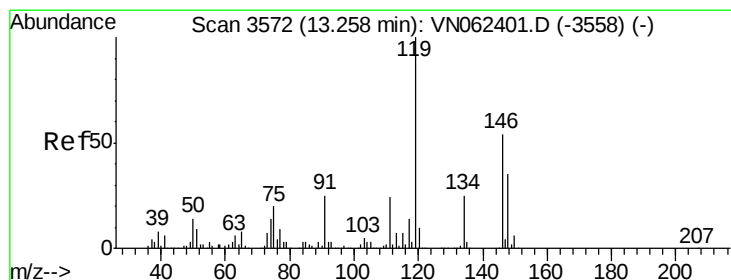
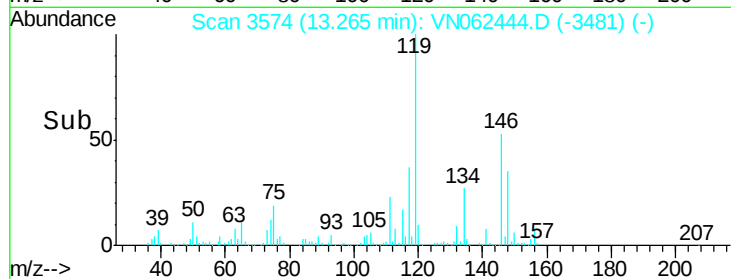
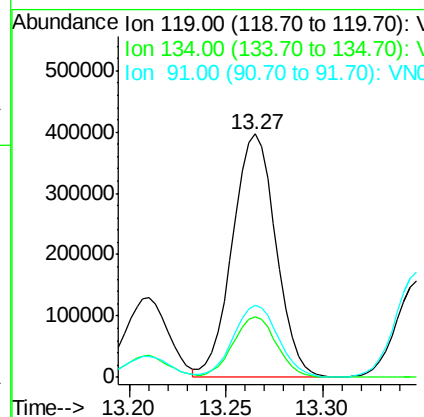
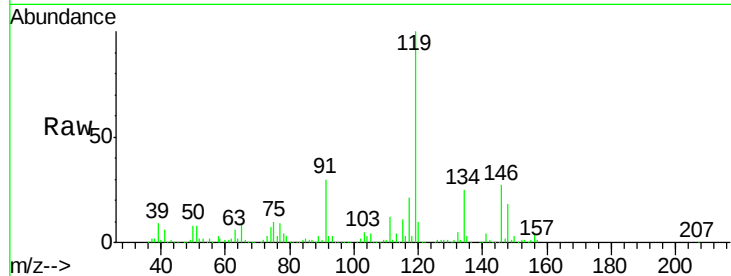
#86
p-Isopropyltoluene
Concen: 66.052 ug/l
RT: 13.27 min Scan# 3574
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Instrument :
MSVOA_N
ClientSampled :
MW-14MSD

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	12.4	37.0
91	30.3	12.4	37.4

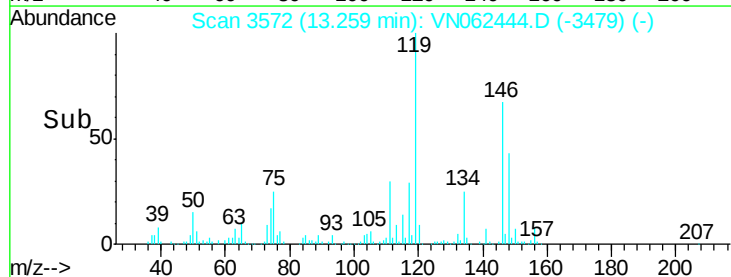
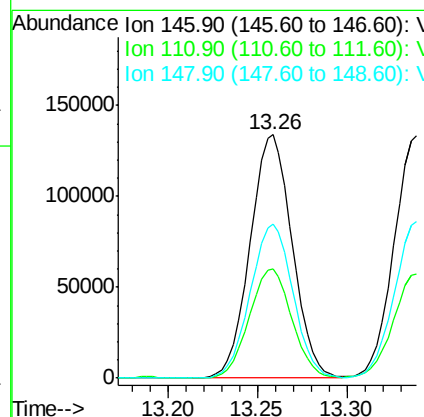
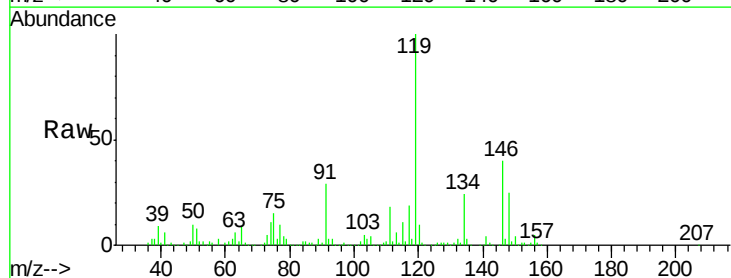
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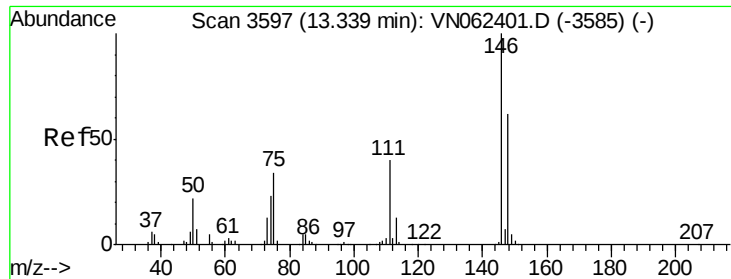
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#87
1,3-Dichlorobenzene
Concen: 48.011 ug/l
RT: 13.26 min Scan# 3572
Delta R.T. 0.00 min
Lab File: VN062444.D
Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	45.1	21.6	64.6
148	64.1	32.2	96.6





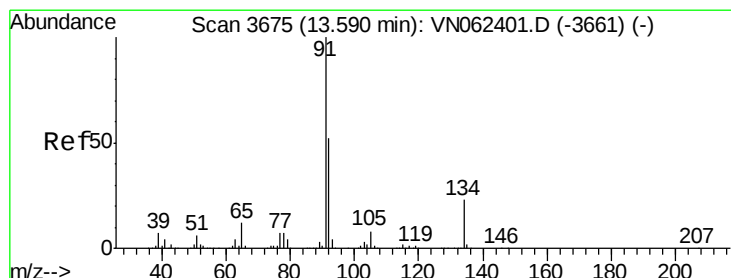
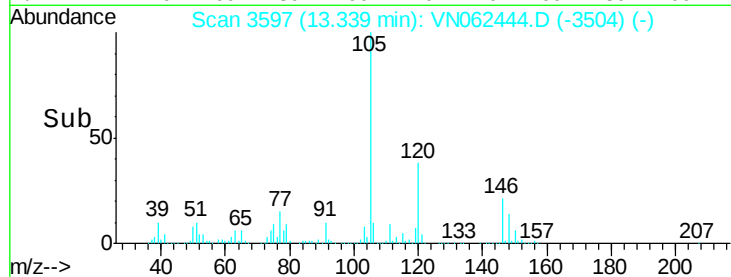
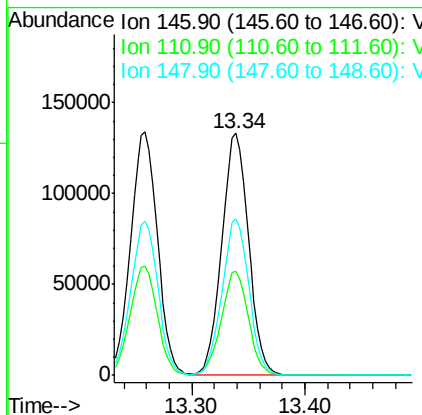
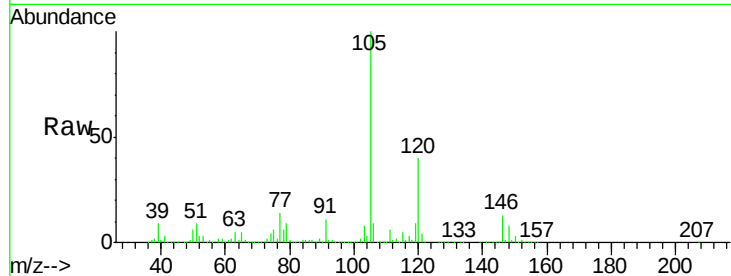
#88
 1,4-Dichlorobenzene
 Concen: 46.496 ug/l
 RT: 13.34 min Scan# 3597
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.6	21.1	63.1
148	64.6	31.4	94.2

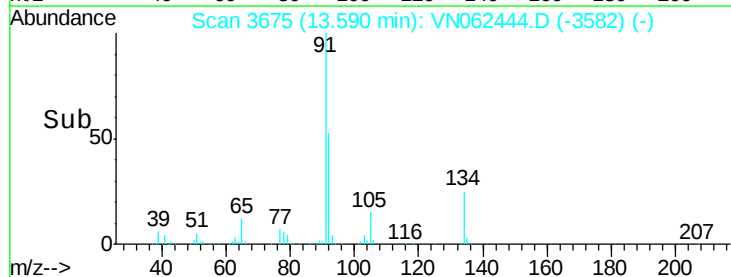
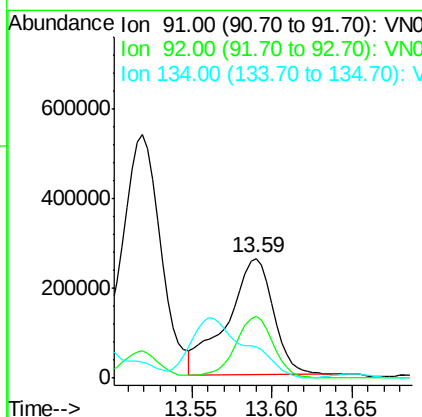
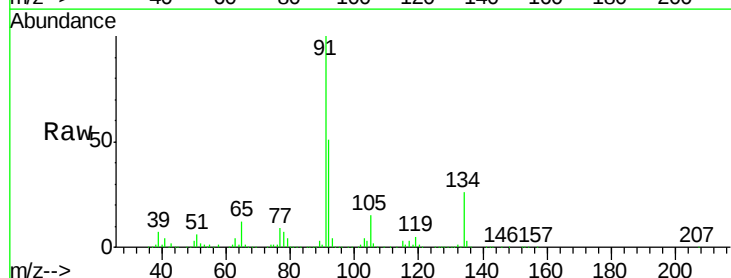
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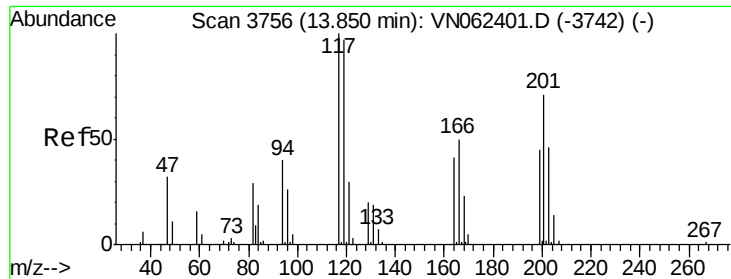
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#89
 n-Butylbenzene
 Concen: 62.204 ug/l
 RT: 13.59 min Scan# 3675
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	44.0	25.9	77.7
134	0.0	11.6	34.8#





#90

Hexachloroethane

Concen: 113.400 ug/l

RT: 13.86 min Scan# 3758

Delta R.T. 0.01 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

ClientSampled :

MW-14MSD

Tot Ion:117 Resp: 208617

Ion Ratio Lower Upper

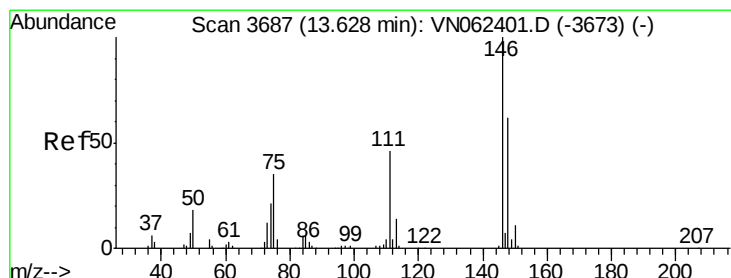
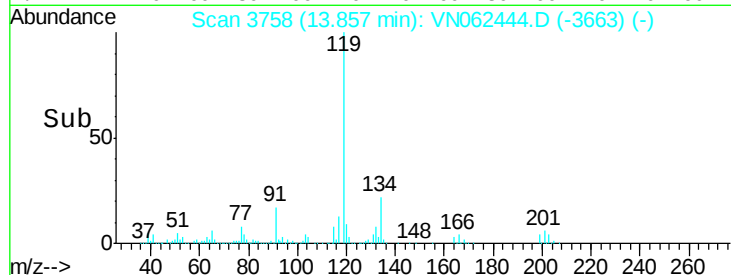
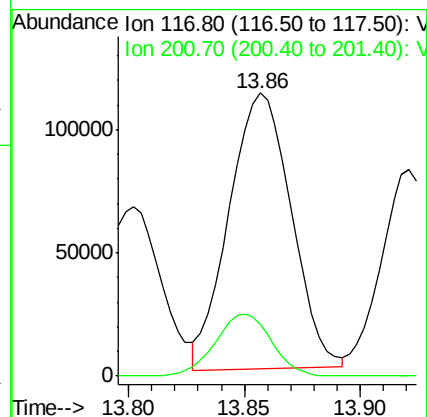
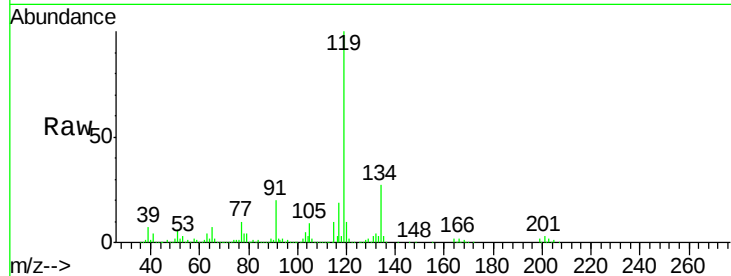
117 100

201 20.5 35.4 106.2#

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#91

1,2-Dichlorobenzene

Concen: 48.682 ug/l

RT: 13.63 min Scan# 3687

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

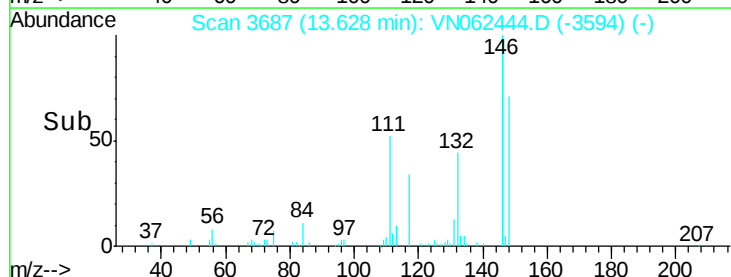
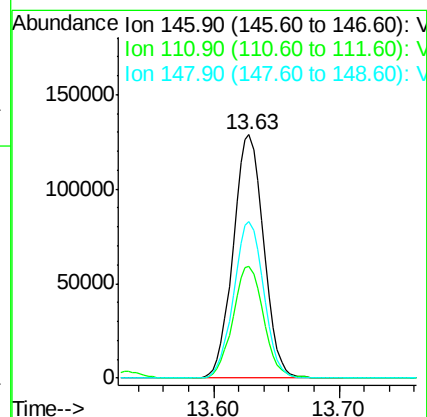
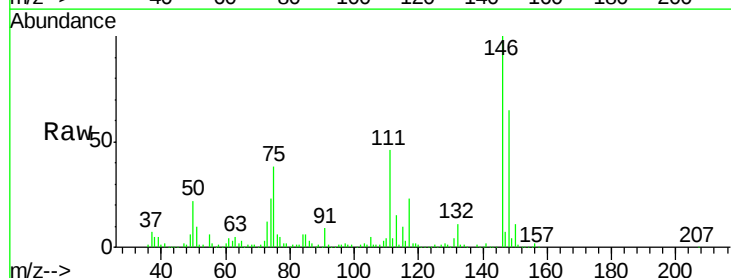
Tgt Ion:146 Resp: 216984

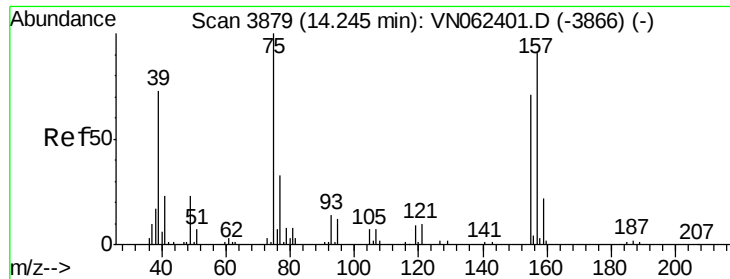
Ion Ratio Lower Upper

146 100

111 46.4 22.5 67.5

148 63.5 31.4 94.2





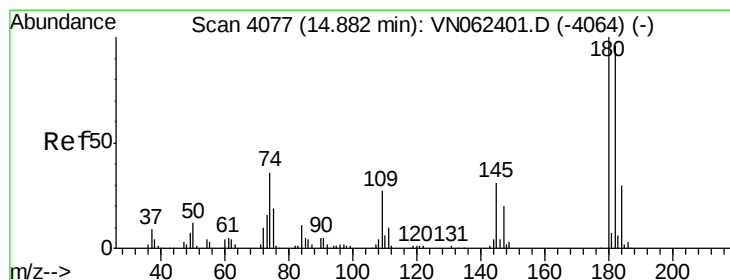
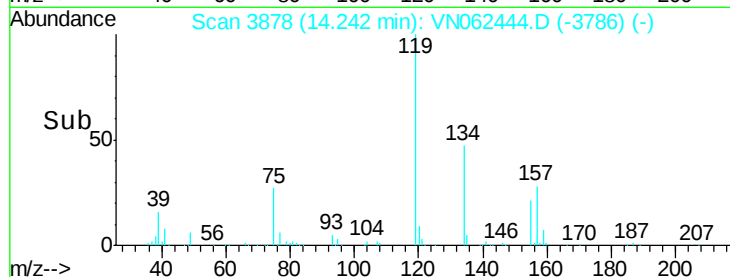
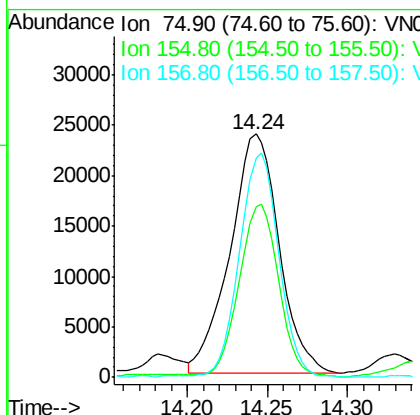
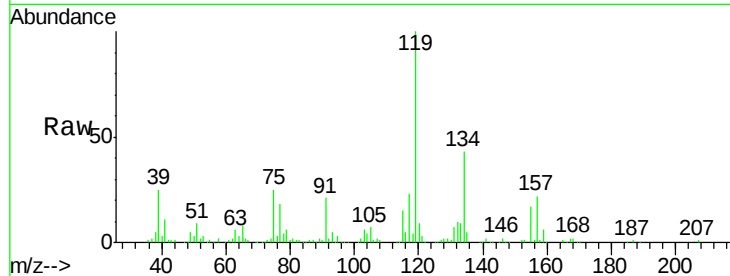
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 68.777 ug/l
 RT: 14.24 min Scan# 3878
 Delta R.T. -0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion: 75 Resp: 49604
 Ion Ratio Lower Upper
 75 100
 155 58.6 35.2 105.6
 157 75.6 45.8 137.3

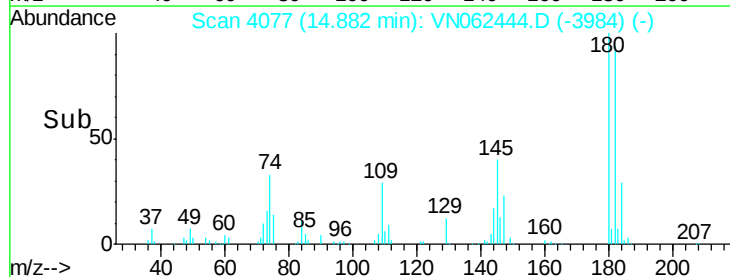
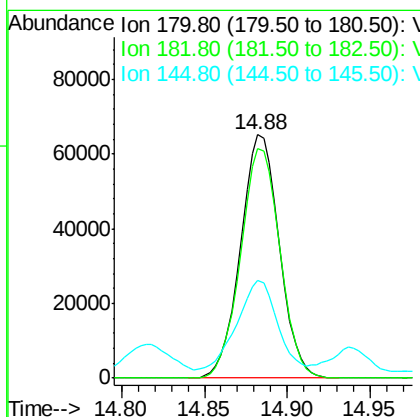
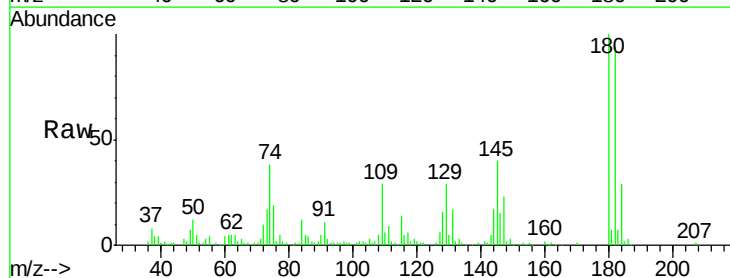
Manual Integrations
 APPROVED

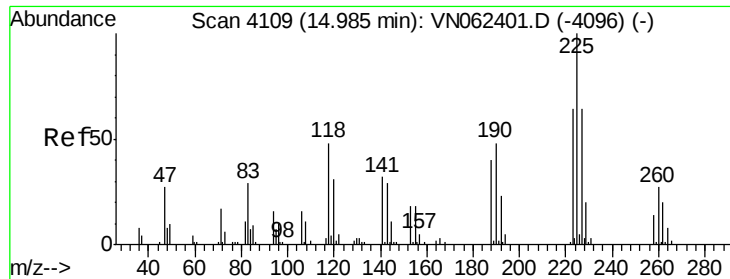
MMDadoda
 7/9/2020 10:58:57 AM



#93
 1,2,4-Trichlorobenzene
 Concen: 49.861 ug/l
 RT: 14.88 min Scan# 4077
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Tgt Ion: 180 Resp: 105513
 Ion Ratio Lower Upper
 180 100
 182 96.2 48.4 145.2
 145 41.3 15.5 46.5





#94

Hexachlorobutadiene

Concen: 22.086 ug/l

RT: 14.99 min Scan# 4109

Delta R.T. 0.00 min

Lab File: VN062444.D

Acq: 9 Jul 2020 7:11

Instrument :

MSVOA_N

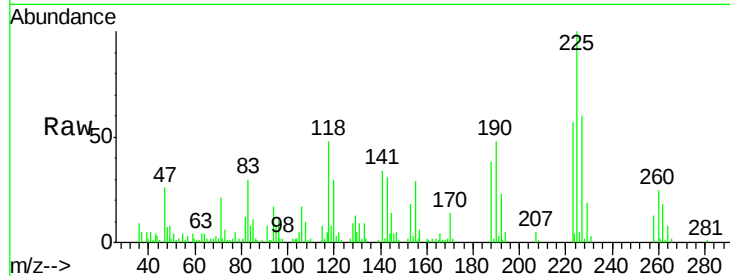
ClientSampled :

MW-14MSD

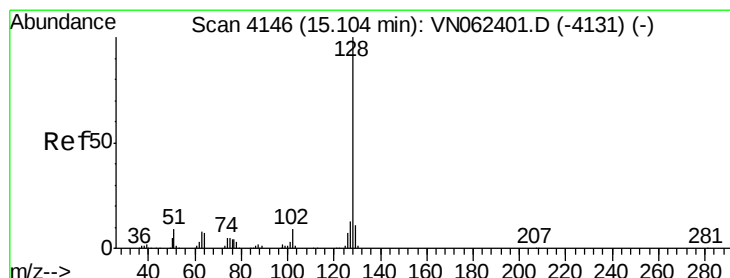
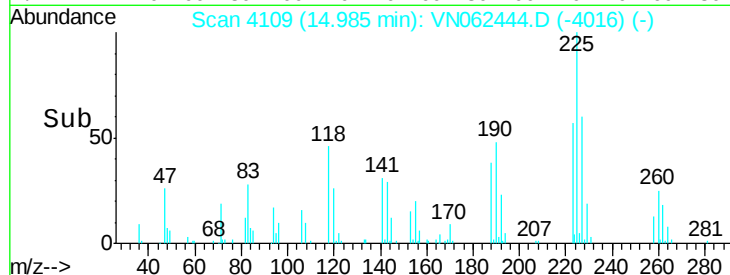
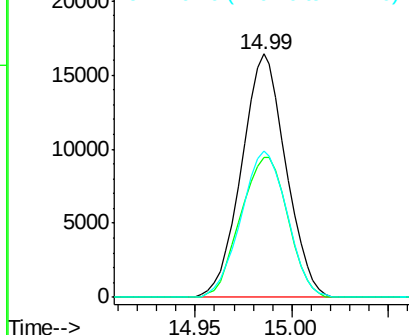
Tot Ion:	225	Resp:	26137
Ion Ratio		Lower	Upper
225	100		
223	61.4	32.3	96.8
227	62.4	31.9	95.7

Manual Integrations
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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: 698.349 ug/l

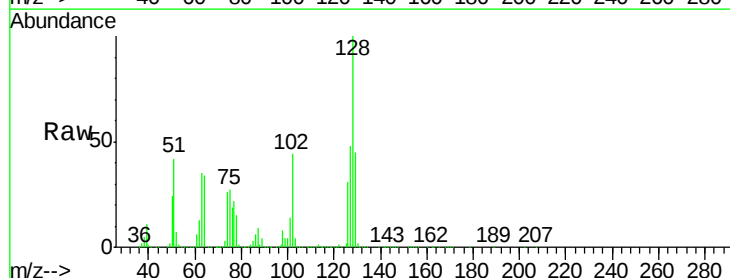
RT: 15.11 min Scan# 4147

Delta R.T. 0.00 min

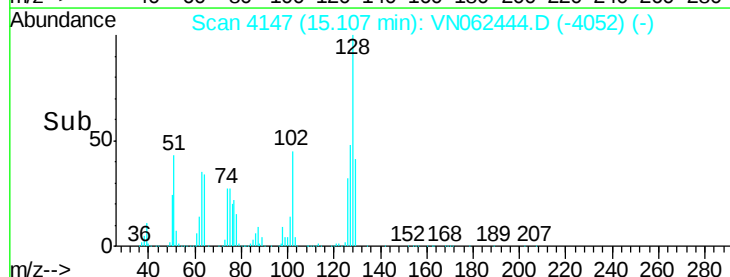
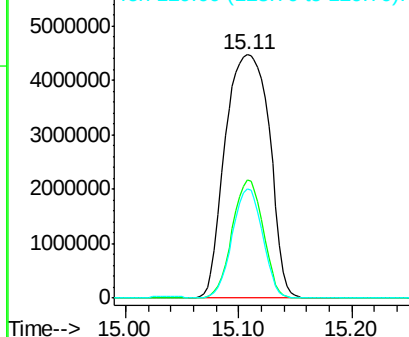
Lab File: VN062444.D

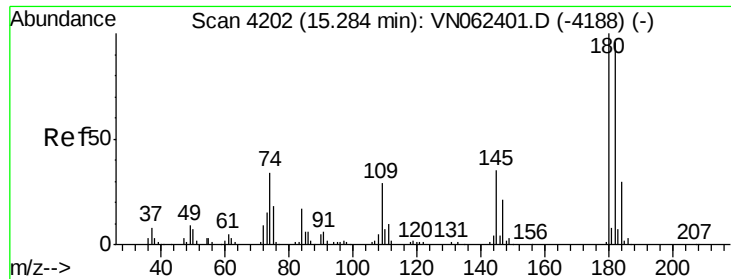
Acq: 9 Jul 2020 7:11

Tgt Ion:	128	Resp:	12151362
Ion Ratio		Lower	Upper
128	100		
127	34.0	10.2	15.2#
129	30.9	8.6	12.8#



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 44.624 ug/l
 RT: 15.28 min Scan# 4202
 Delta R.T. 0.00 min
 Lab File: VN062444.D
 Acq: 9 Jul 2020 7:11

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-14MSD

Tot Ion:	180	Resp:	106209
Ion Ratio	Lower	Upper	
180	100		
182	96.1	47.8	143.4
145	40.9	17.0	50.9

Manual Integrations
 APPROVED

MMDadoda
 7/9/2020 10:58:57 AM

