

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100220\
 Data File : VN063841.D
 Acq On : 3 Oct 2020 00:20
 Operator : JC/MD
 Sample : VN1002WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Manual Integrations
 APPROVED

MMDadoda
 10/5/2020 5:35:36 PM

Quant Time: Oct 05 07:49:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N093020W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 01:46:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	249380	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	422445	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	395089	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	178294	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	7.99	65	214591	52.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.18%	
35) Dibromofluoromethane	7.55	113	146152	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	10.06	98	531404	47.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.64%	
62) 4-Bromofluorobenzene	12.38	95	195513	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	48041	18.257	ug/l	96
3) Chloromethane	2.04	50	57571	18.646	ug/l	96
4) Vinyl Chloride	2.16	62	57539	18.565	ug/l	99
5) Bromomethane	2.53	94	37551	19.262	ug/l	94
6) Chloroethane	2.67	64	37812	20.417	ug/l	96
7) Trichlorofluoromethane	2.98	101	92279	18.773	ug/l	92
8) Diethyl Ether	3.37	74	32513	19.558	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.71	101	48386	18.417	ug/l	99
10) Methyl Iodide	3.91	142	59268	19.429	ug/l	98
11) Tert butyl alcohol	4.73	59	56814	124.906	ug/l	99
12) 1,1-Dichloroethene	3.70	96	46526	18.527	ug/l	95
13) Acrolein	3.57	56	21113	75.629	ug/l	90
14) Allyl chloride	4.28	41	87524	18.761	ug/l	99
15) Acrylonitrile	4.93	53	137024	105.242	ug/l	97
16) Acetone	3.78	43	138419	109.142	ug/l	96
17) Carbon Disulfide	4.01	76	123517	18.644	ug/l	97
18) Methyl Acetate	4.28	43	74637	22.666	ug/l	99
19) Methyl tert-butyl Ether	4.99	73	178916	19.611	ug/l	98
20) Methylene Chloride	4.50	84	57616	19.893	ug/l	96
21) trans-1,2-Dichloroethene	4.99	96	51839	18.430	ug/l	91
22) Diisopropyl ether	5.90	45	191471	19.948	ug/l	97
23) Vinyl Acetate	5.85	43	796817	100.214	ug/l	100
24) 1,1-Dichloroethane	5.80	63	107969	19.673	ug/l	99
25) 2-Butanone	6.78	43	204362	113.657	ug/l	99
26) 2,2-Dichloropropane	6.78	77	72479	14.421	ug/l	100
27) cis-1,2-Dichloroethene	6.78	96	60106	18.580	ug/l	99
28) Bromochloromethane	7.15	49	53213	19.617	ug/l	97
29) Tetrahydrofuran	7.16	42	134344	111.401	ug/l	99
30) Chloroform	7.33	83	115239	20.138	ug/l	94
31) Cyclohexane	7.62	56	85404	17.856	ug/l	# 95
32) 1,1,1-Trichloroethane	7.53	97	102535	19.865	ug/l	99
36) 1,1-Dichloropropene	7.75	75	76729	17.928	ug/l	98
37) Ethyl Acetate	6.88	43	86137	20.258	ug/l	98
38) Carbon Tetrachloride	7.73	117	87629	18.259	ug/l	100

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.05	83	66491	15.579	ug/l	98
40) Benzene	8.00	78	224912	18.399	ug/l	98
41) Methacrylonitrile	7.12	41	29141m	15.420	ug/l	
42) 1,2-Dichloroethane	8.09	62	103298	19.796	ug/l	98
43) Isopropyl Acetate	8.13	43	142254	20.283	ug/l	97
44) Trichloroethene	8.80	130	56911	17.769	ug/l	95
45) 1,2-Dichloropropane	9.08	63	63044	19.096	ug/l	97
46) Dibromomethane	9.17	93	43795	19.230	ug/l	98
47) Bromodichloromethane	9.37	83	90572	19.297	ug/l	98
48) Methyl methacrylate	9.17	41	70444	20.329	ug/l	94
49) 1,4-Dioxane	9.16	88	22808	463.135	ug/l	96
51) 4-Methyl-2-Pentanone	9.95	43	456384	110.884	ug/l	99
52) Toluene	10.13	92	142527	18.850	ug/l	99
53) t-1,3-Dichloropropene	10.35	75	90648	18.017	ug/l	97
54) cis-1,3-Dichloropropene	9.81	75	96765	18.390	ug/l	98
55) 1,1,2-Trichloroethane	10.53	97	59209	19.527	ug/l	95
56) Ethyl methacrylate	10.40	69	83187	19.354	ug/l	98
57) 1,3-Dichloropropane	10.68	76	100298	19.551	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.66	63	224412	97.609	ug/l	100
59) 2-Hexanone	10.72	43	334168	109.294	ug/l	99
60) Dibromochloromethane	10.87	129	66993	18.971	ug/l	100
61) 1,2-Dibromoethane	10.98	107	60244	19.423	ug/l	99
64) Tetrachloroethene	10.60	164	55055	18.011	ug/l	96
65) Chlorobenzene	11.41	112	152535	18.821	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.48	131	58471	18.819	ug/l	98
67) Ethyl Benzene	11.48	91	268886	18.233	ug/l	100
68) m/p-Xylenes	11.59	106	198843	36.178	ug/l	100
69) o-Xylene	11.92	106	94976	18.488	ug/l	100
70) Styrene	11.94	104	160208	18.372	ug/l	99
71) Bromoform	12.10	173	43124	18.148	ug/l #	96
73) Isopropylbenzene	12.23	105	252156	19.390	ug/l	100
74) N-amyl acetate	12.04	43	119552	21.119	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.48	83	87005	21.879	ug/l	98
76) 1,2,3-Trichloropropane	12.53	75	80254m	20.419	ug/l	
77) Bromobenzene	12.50	156	64149	20.103	ug/l	96
78) n-propylbenzene	12.57	91	282595	18.672	ug/l	99
79) 2-Chlorotoluene	12.65	91	179998	19.338	ug/l	100
80) 1,3,5-Trimethylbenzene	12.71	105	209170	19.172	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.28	75	24668	18.077	ug/l	92
82) 4-Chlorotoluene	12.75	91	184674	19.112	ug/l	97
83) tert-Butylbenzene	12.97	119	170910	19.151	ug/l	99
84) 1,2,4-Trimethylbenzene	13.02	105	209676	19.249	ug/l	97
85) sec-Butylbenzene	13.15	105	217312	18.539	ug/l	100
86) p-Isopropyltoluene	13.26	119	190951	18.415	ug/l	99
87) 1,3-Dichlorobenzene	13.26	146	111993	19.400	ug/l	99
88) 1,4-Dichlorobenzene	13.34	146	112419	18.703	ug/l	98
89) n-Butylbenzene	13.59	91	160018	16.720	ug/l	98
90) Hexachloroethane	13.85	117	36863	18.345	ug/l	97
91) 1,2-Dichlorobenzene	13.63	146	111759	19.545	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.24	75	19095	20.475	ug/l	92

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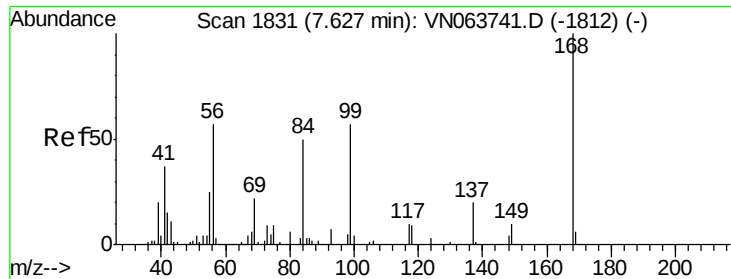
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.88	180	49051	16.964	ug/l	98
94) Hexachlorobutadiene	14.98	225	27776	17.959	ug/l	97
95) Naphthalene	15.11	128	155221	17.438	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	48615	17.184	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion:168 Resp: 249380

Ion Ratio Lower Upper

168 100

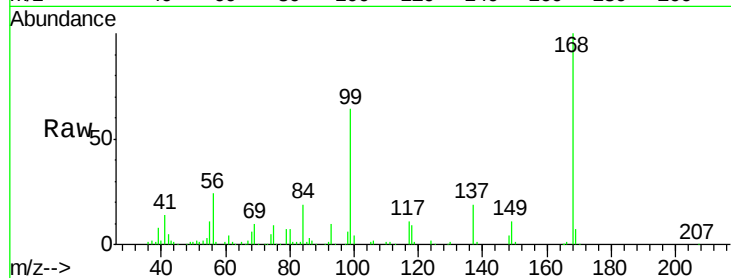
99 63.8 51.8 77.6

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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

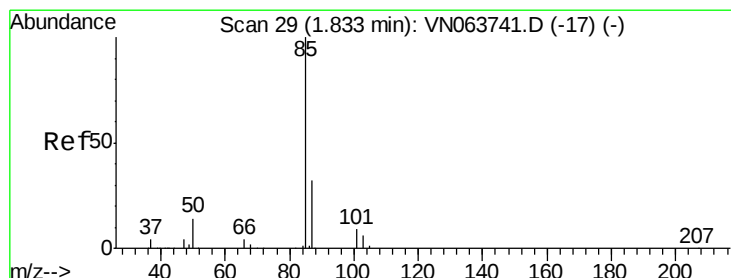
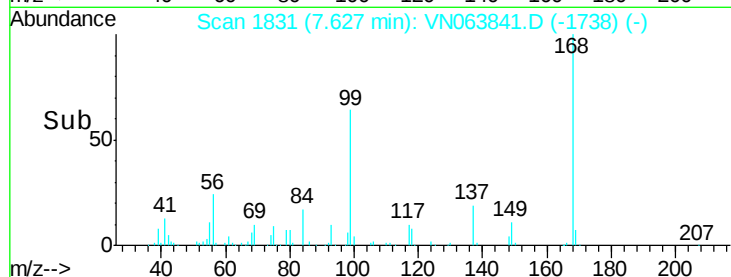
40000

20000

0

7.55 7.60 7.65 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 18.257 ug/l

RT: 1.83 min Scan# 28

Delta R.T. -0.00 min

Lab File: VN063841.D

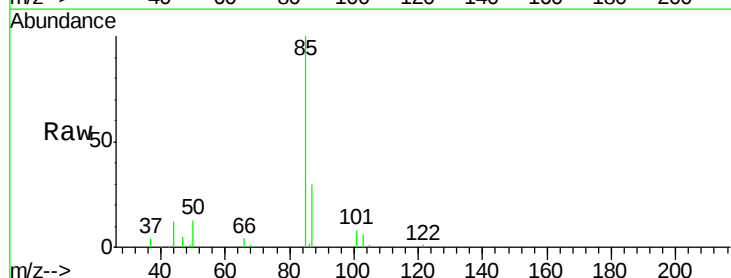
Acq: 3 Oct 2020 00:20

Tgt Ion: 85 Resp: 48041

Ion Ratio Lower Upper

85 100

87 29.8 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

40000

30000

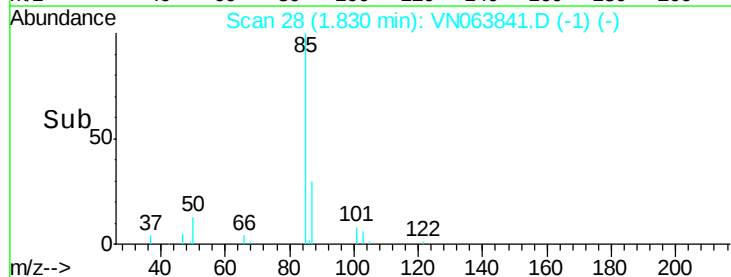
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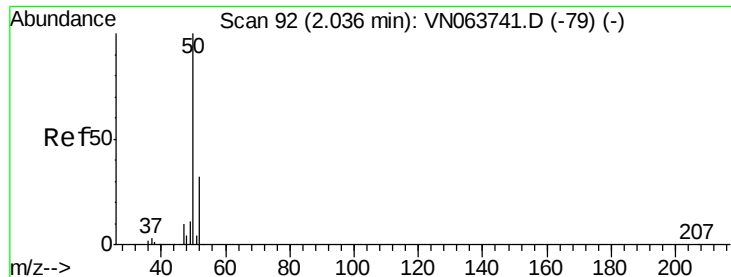
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 18.646 ug/l

RT: 2.04 min Scan# 92

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion: 50 Resp: 57571

Ion Ratio Lower Upper

50 100

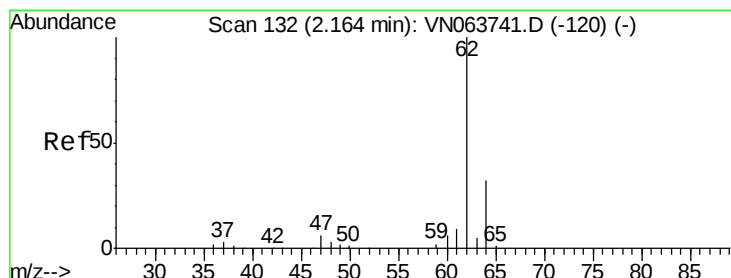
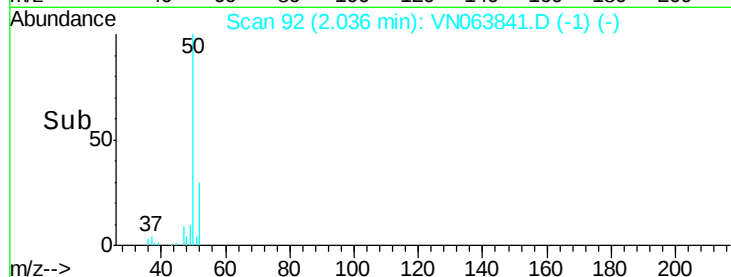
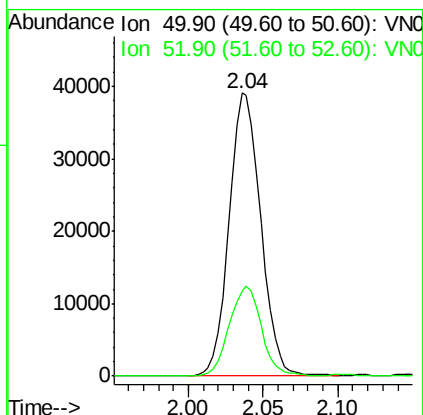
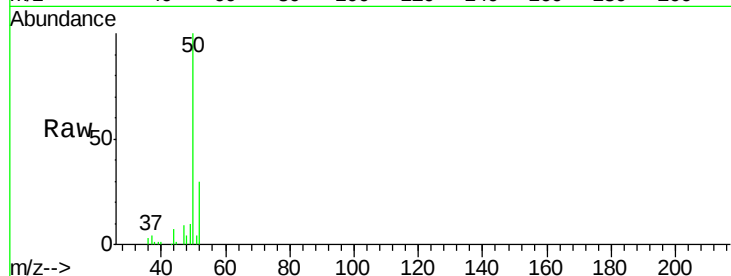
52 30.2 25.8 38.8

Manual Integrations

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#4

Vinyl Chloride

Concen: 18.565 ug/l

RT: 2.16 min Scan# 132

Delta R.T. 0.00 min

Lab File: VN063841.D

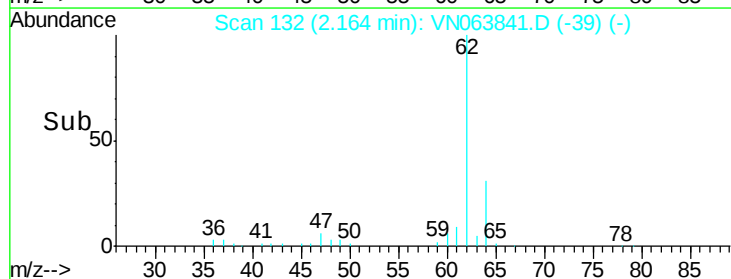
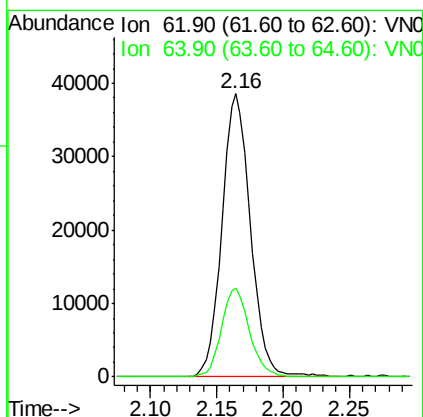
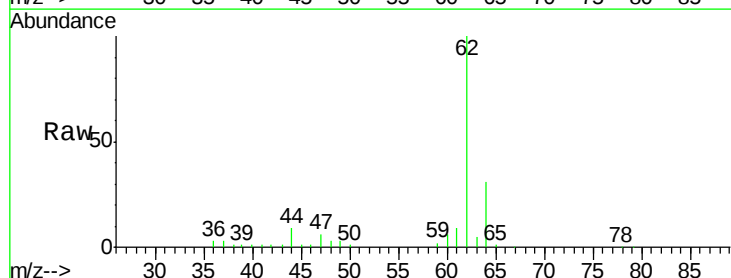
Acq: 3 Oct 2020 00:20

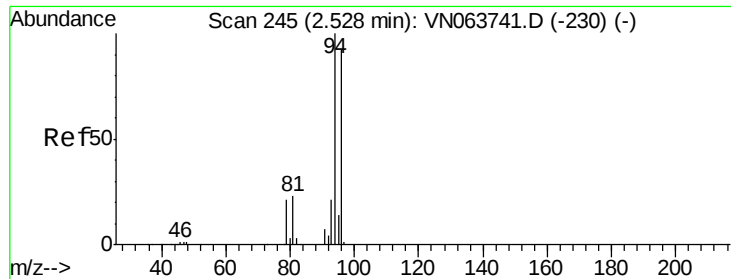
Tgt Ion: 62 Resp: 57539

Ion Ratio Lower Upper

62 100

64 31.4 25.6 38.4





#5

Bromomethane

Concen: 19.262 ug/l

RT: 2.53 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

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VN1002WBSD02

Tot Ion: 94 Resp: 37551

Ion Ratio Lower Upper

94 100

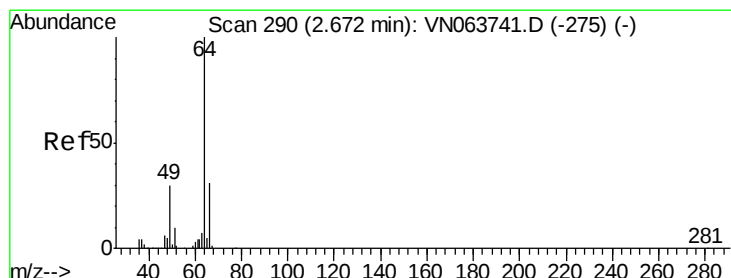
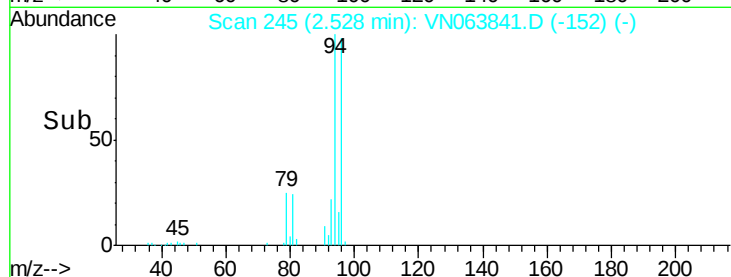
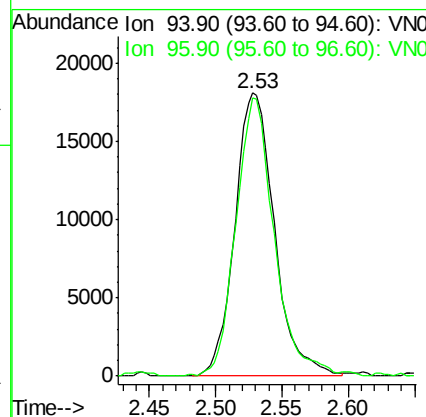
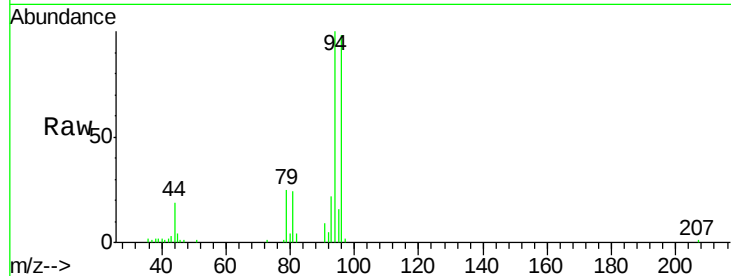
96 97.3 73.3 109.9

Manual Integrations

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#6

Chloroethane

Concen: 20.417 ug/l

RT: 2.67 min Scan# 289

Delta R.T. -0.00 min

Lab File: VN063841.D

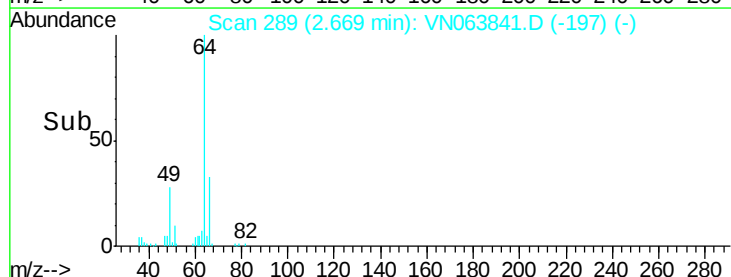
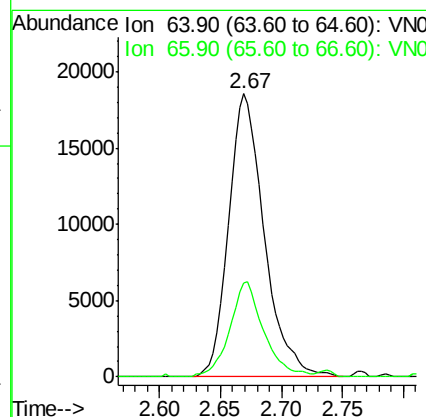
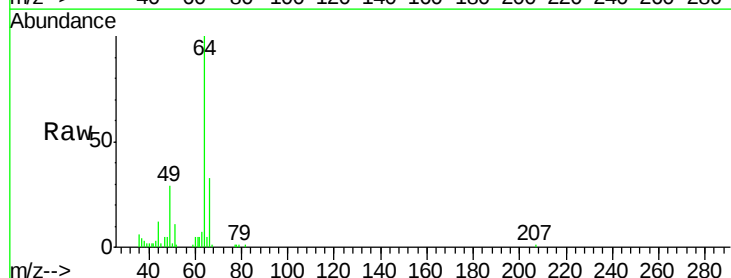
Acq: 3 Oct 2020 00:20

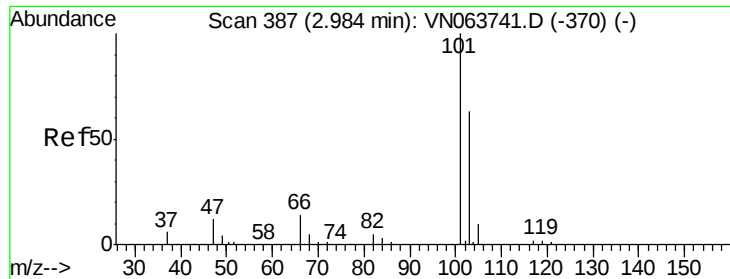
Tgt Ion: 64 Resp: 37812

Ion Ratio Lower Upper

64 100

66 33.4 25.1 37.7





#7

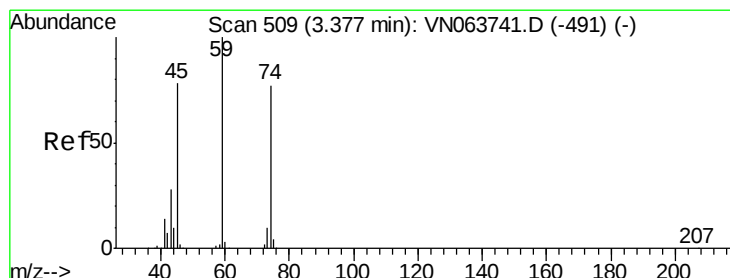
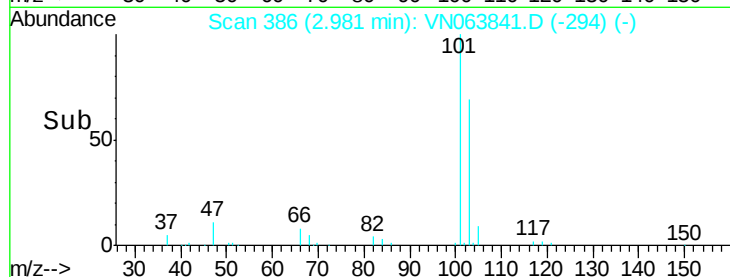
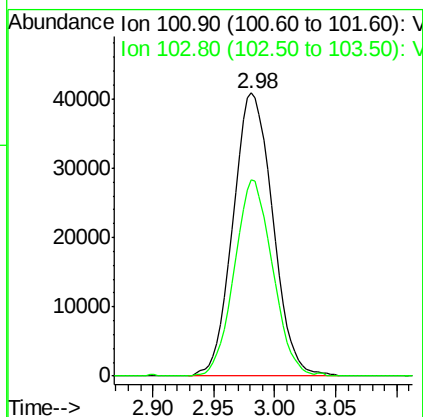
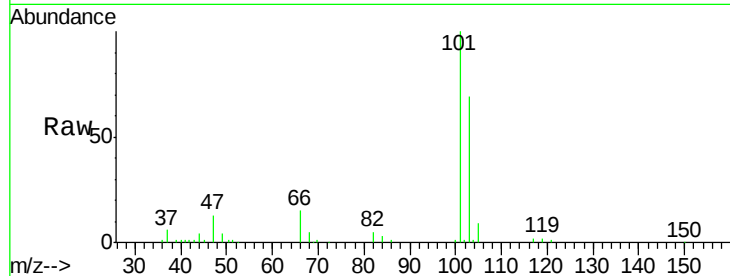
Trichlorofluoromethane
Concen: 18.773 ug/l
RT: 2.98 min Scan# 386
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
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ClientSampleId :
VN1002WBSD02

Tot Ion:101 Resp: 92279
Ion Ratio Lower Upper
101 100
103 69.4 50.7 76.1

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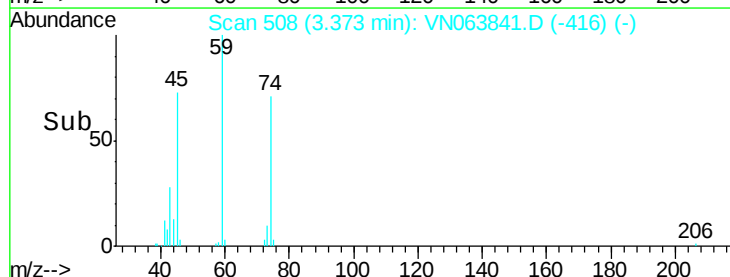
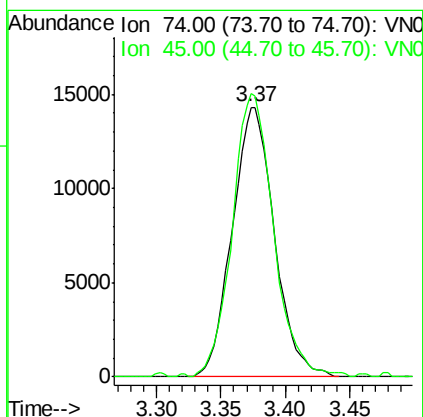
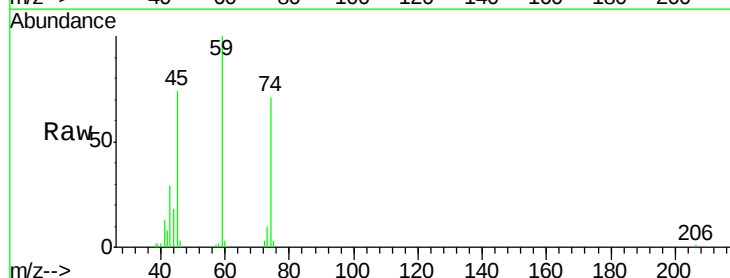
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10/5/2020 5:35:36 PM

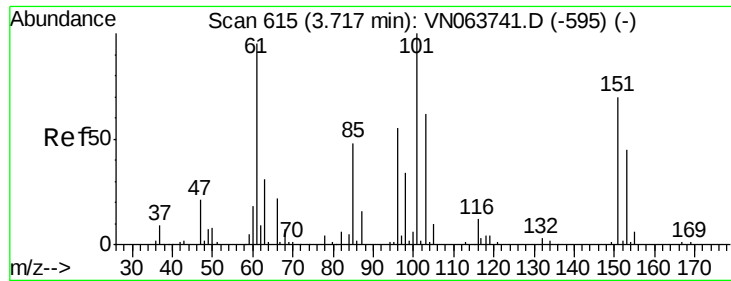


#8

Diethyl Ether
Concen: 19.558 ug/l
RT: 3.37 min Scan# 508
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion: 74 Resp: 32513
Ion Ratio Lower Upper
74 100
45 103.2 50.9 152.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.417 ug/l

RT: 3.71 min Scan# 614

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

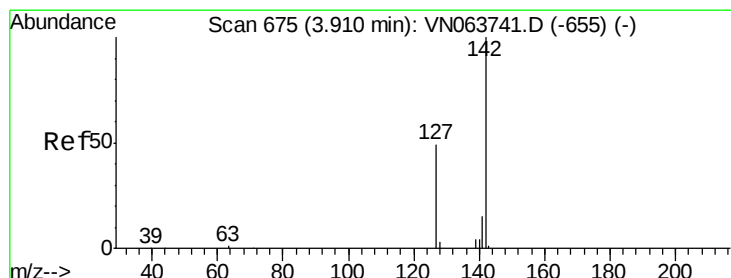
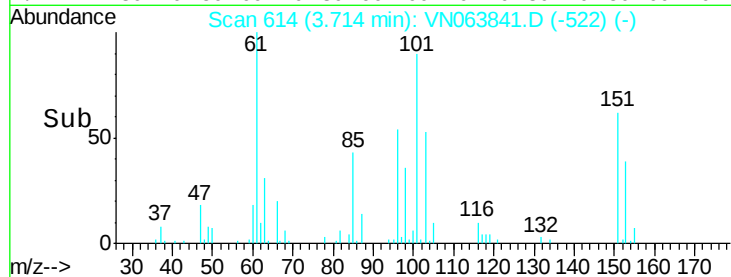
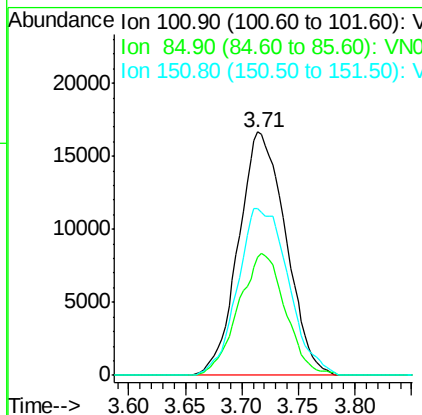
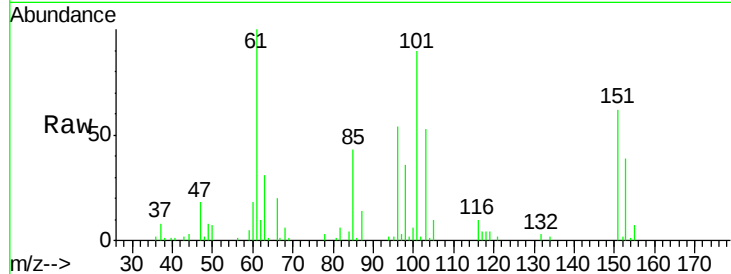
ClientSampleId :

VN1002WBSD02

Tot Ion:	101	Resp:	48386
Ion Ratio	Lower	Upper	
101	100		
85	49.5	38.6	58.0
151	73.6	58.7	88.1

Manual Integrations
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#10

Methyl Iodide

Concen: 19.429 ug/l

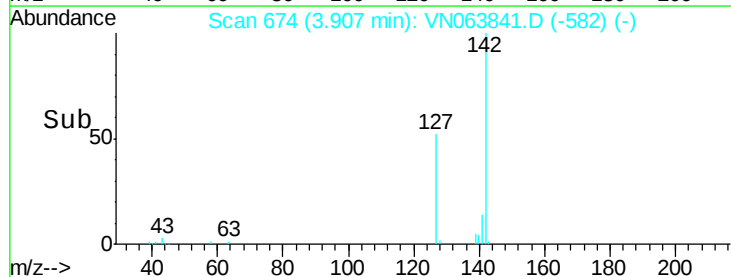
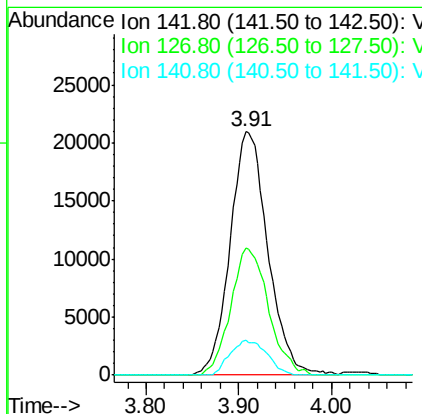
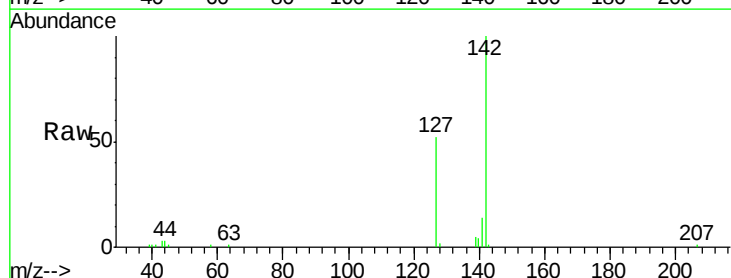
RT: 3.91 min Scan# 674

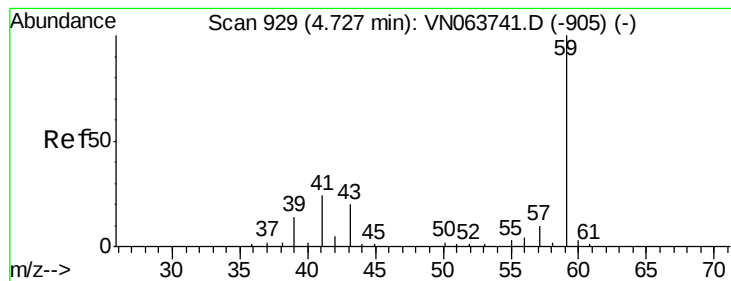
Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	142	Resp:	59268
Ion Ratio	Lower	Upper	
142	100		
127	52.0	40.5	60.7
141	13.9	11.7	17.5





#11

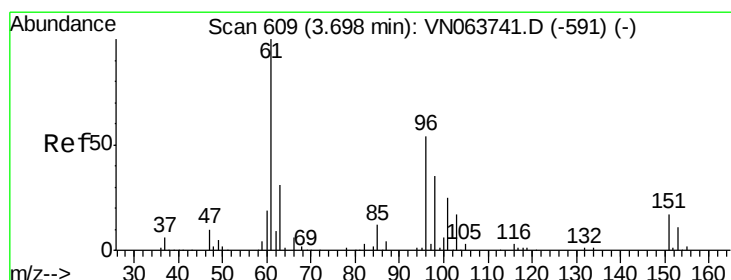
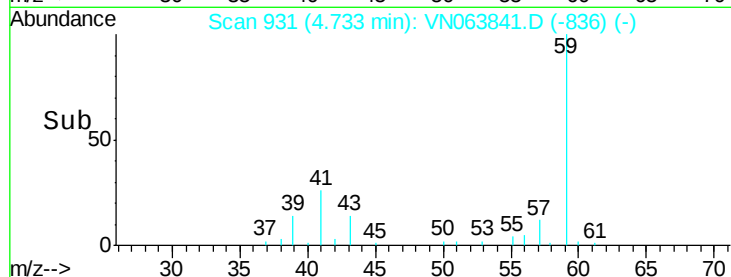
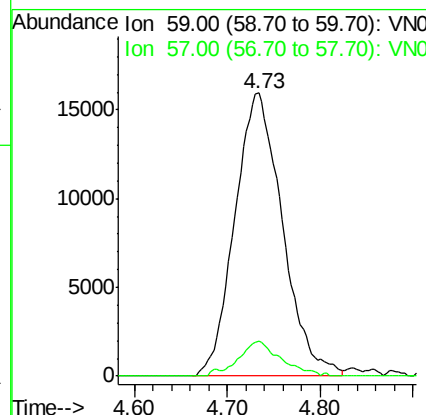
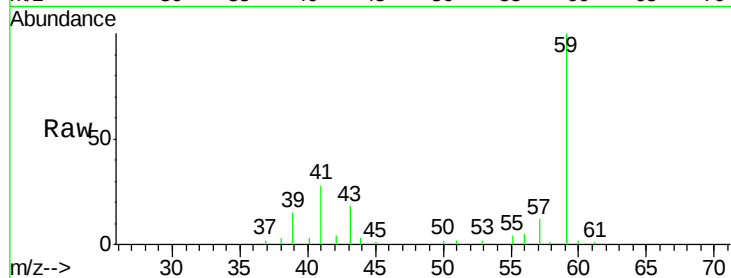
Tert butyl alcohol
 Concen: 124.906 ug/l
 RT: 4.73 min Scan# 931
 Delta R.T. 0.01 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.4	8.7	13.1

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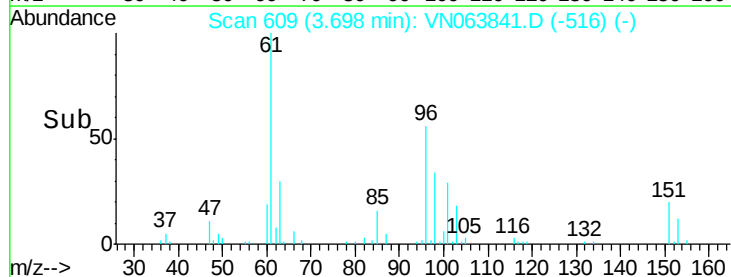
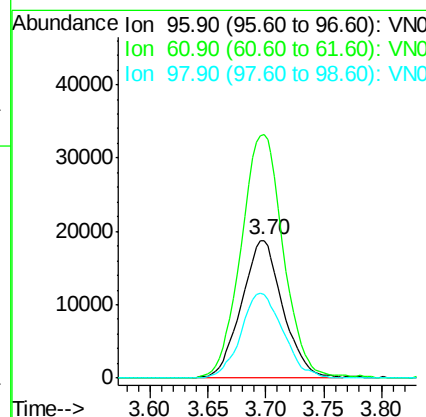
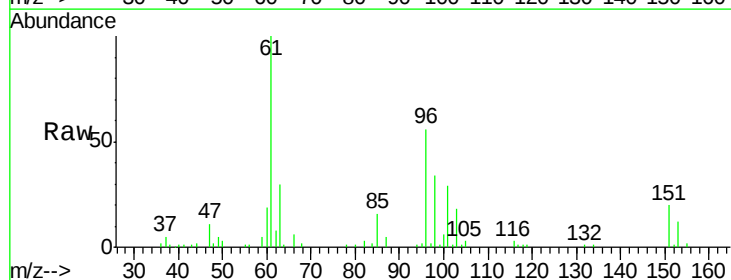
MMDadoda
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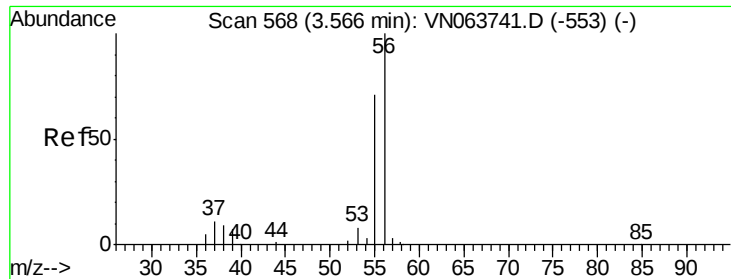


#12

1,1-Dichloroethene
 Concen: 18.527 ug/l
 RT: 3.70 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	177.2	147.7	221.5
98	60.8	51.9	77.9





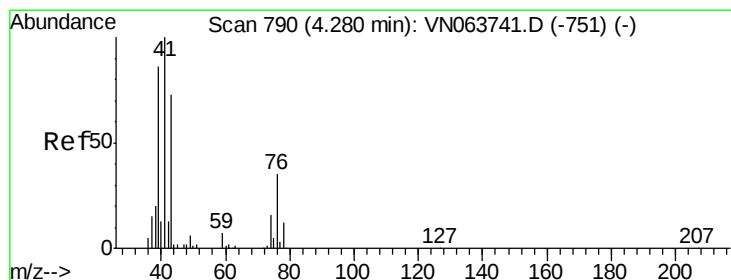
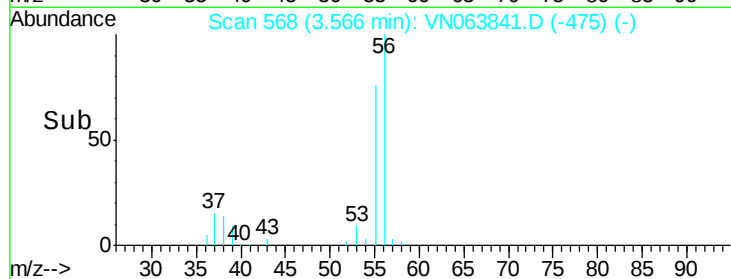
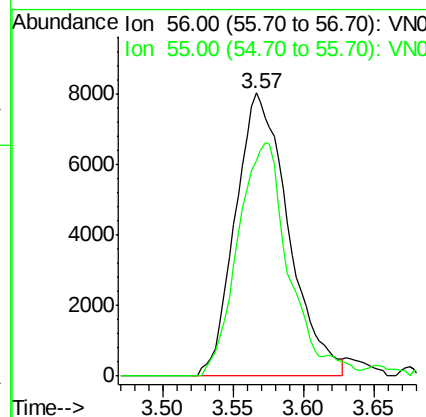
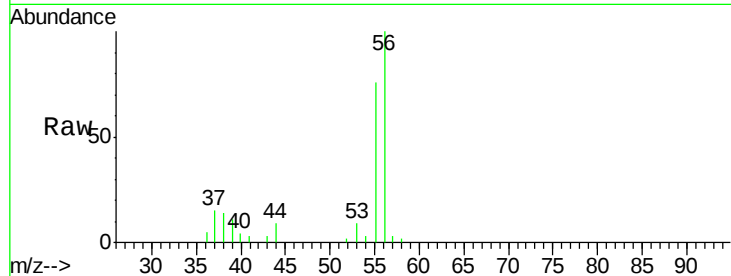
#13
Acrolein
Concen: 75.629 ug/l
RT: 3.57 min Scan# 568
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	56	Resp	21113
Ion Ratio	100	Lower	Upper
56	100		
55	79.6	56.9	85.3

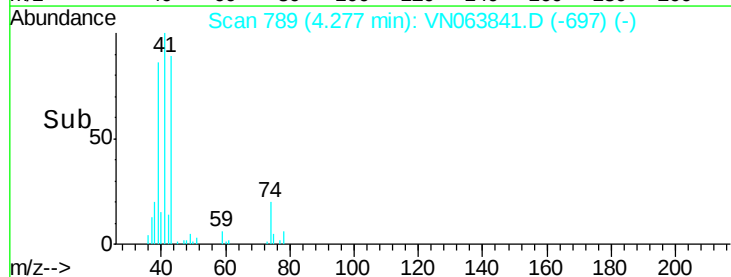
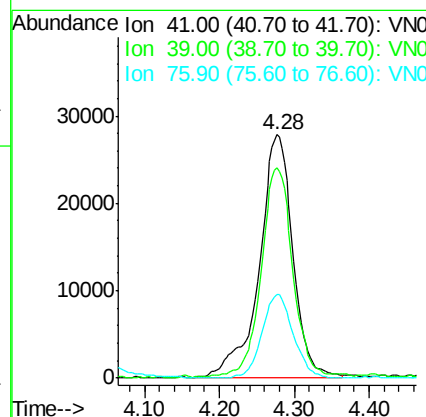
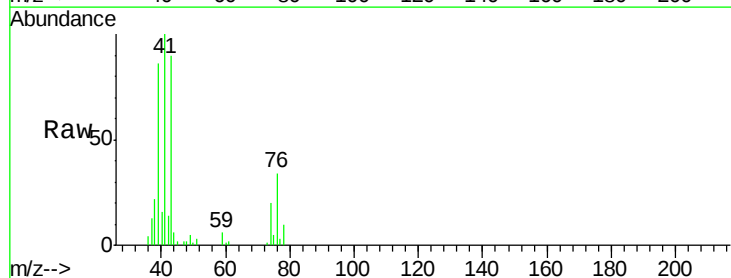
Manual Integrations
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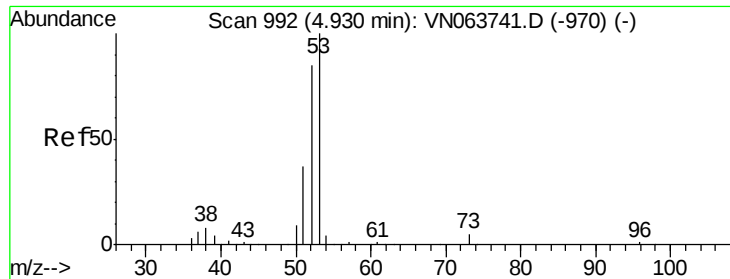
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#14
Allyl chloride
Concen: 18.761 ug/l
RT: 4.28 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	41	Resp	87524
Ion Ratio	100	Lower	Upper
41	100		
39	79.2	64.5	96.7
76	31.7	25.9	38.9





#15

Acrylonitrile

Concen: 105.242 ug/l

RT: 4.93 min Scan# 992

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

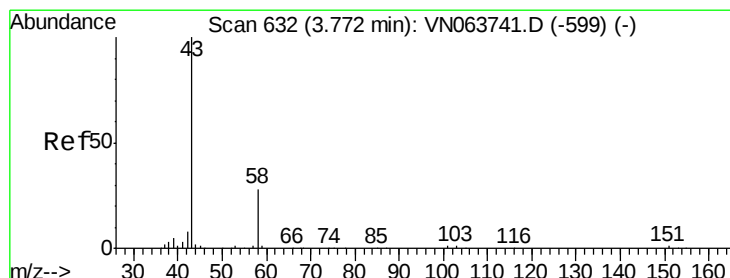
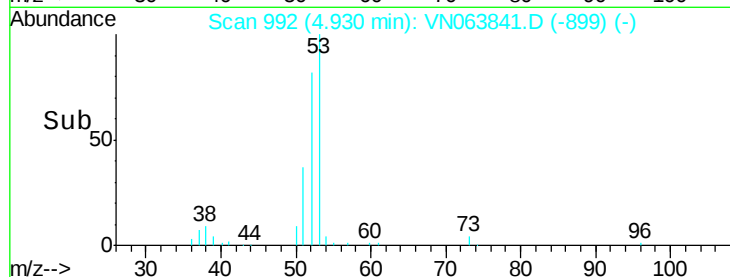
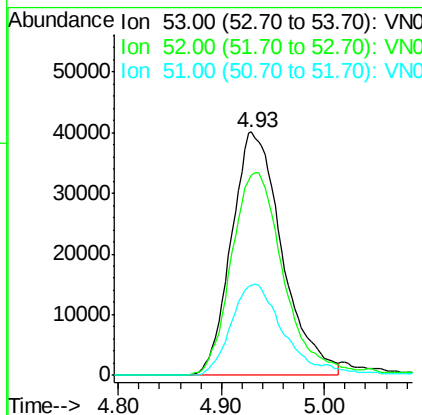
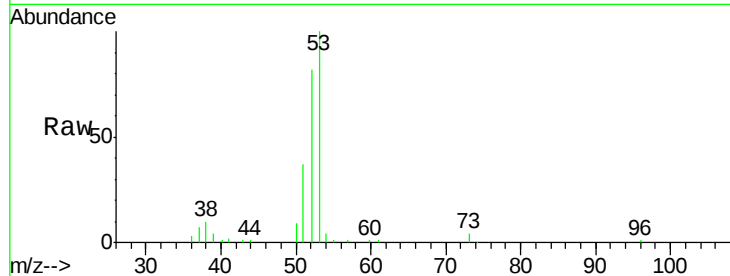
ClientSampleId :

VN1002WBSD02

Tot Ion:	53	Resp:	137024
Ion	Ratio	Lower	Upper
53	100		
52	85.5	66.5	99.7
51	39.0	29.9	44.9

Manual Integrations
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#16

Acetone

Concen: 109.142 ug/l

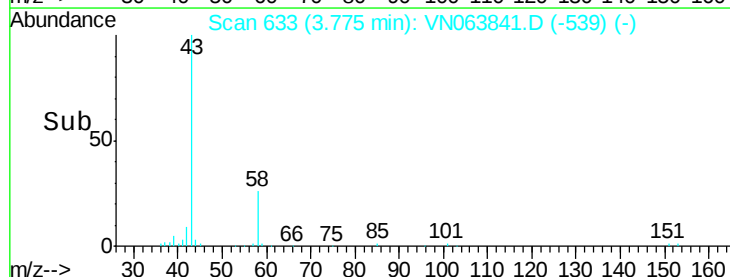
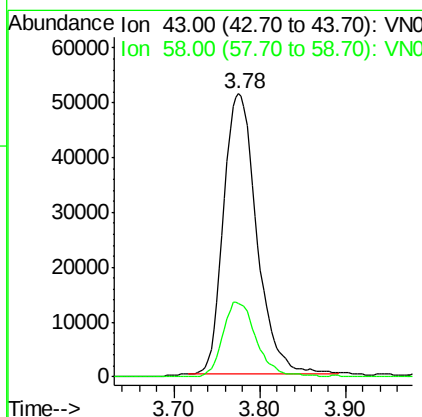
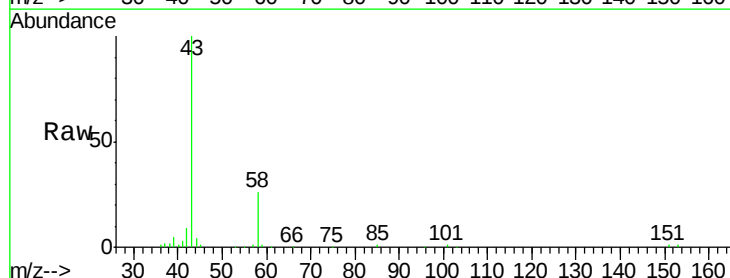
RT: 3.78 min Scan# 633

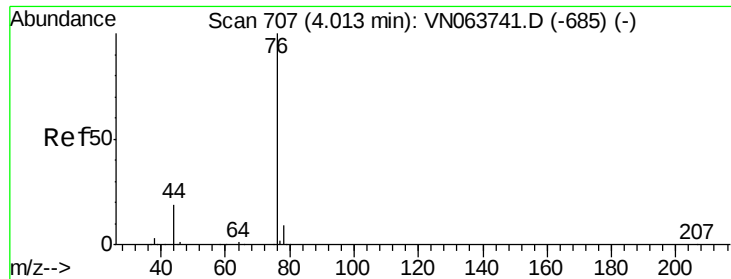
Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	43	Resp:	138419
Ion	Ratio	Lower	Upper
43	100		
58	26.0	22.3	33.5





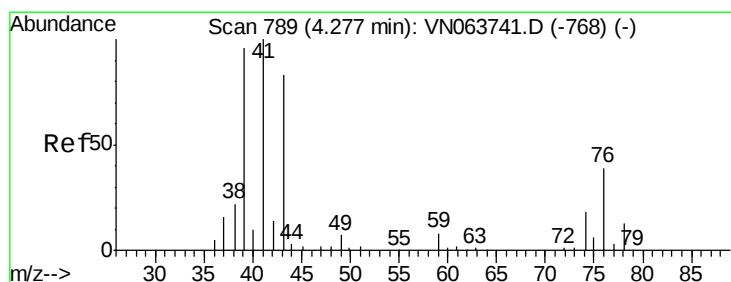
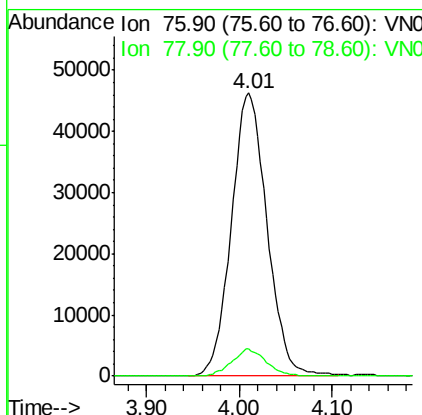
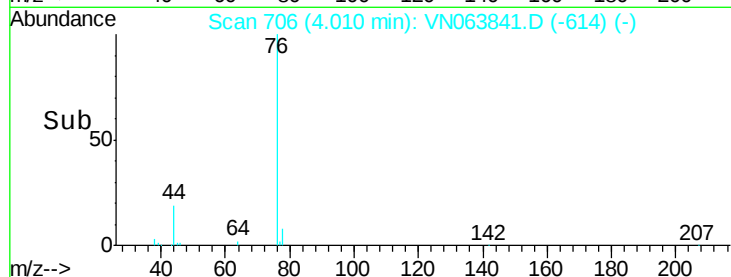
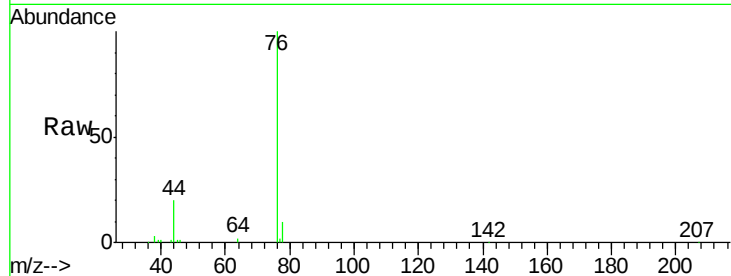
#17
Carbon Disulfide
Concen: 18.644 ug/l
RT: 4.01 min Scan# 706
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.7	7.0	10.4

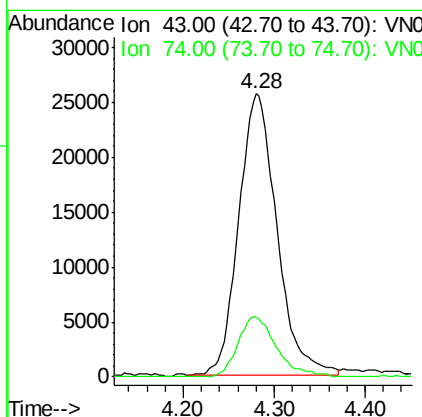
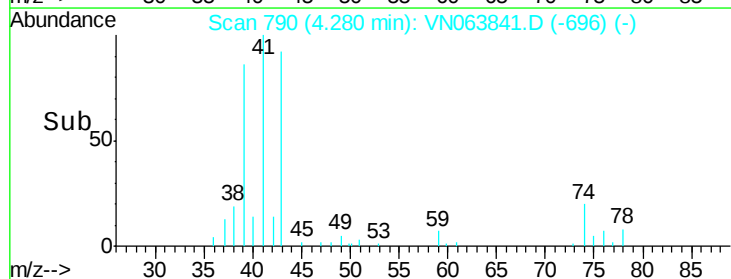
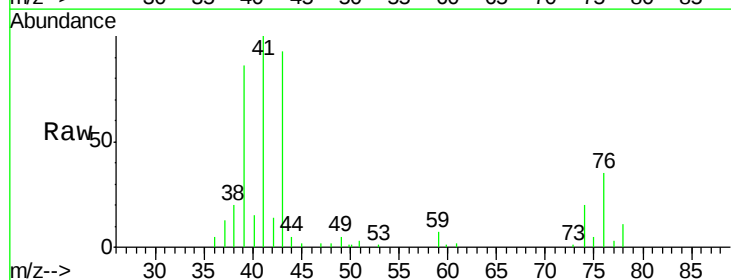
Manual Integrations
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#18
Methyl Acetate
Concen: 22.666 ug/l
RT: 4.28 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.4	26.2





#19

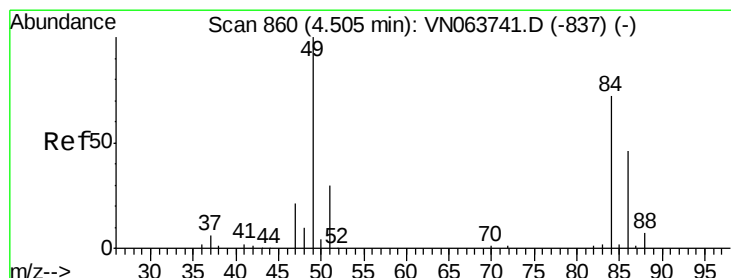
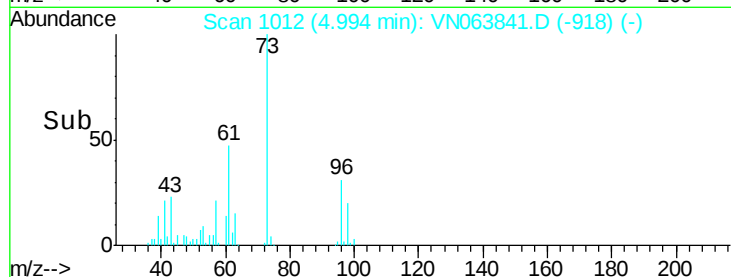
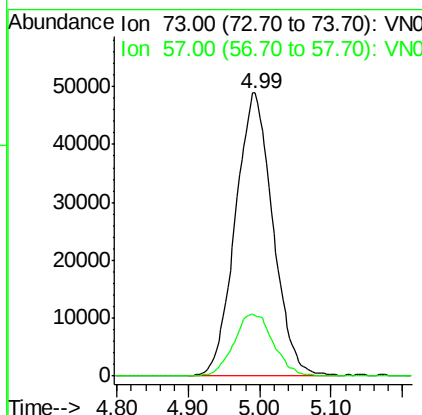
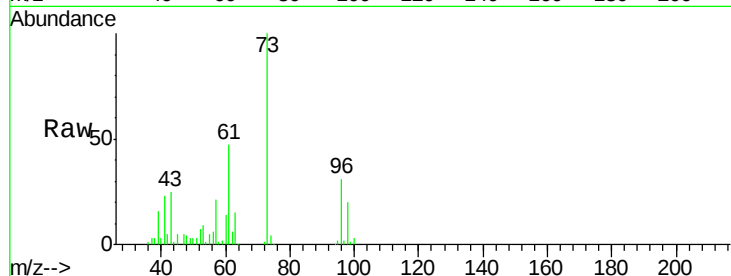
Methyl tert-butyl Ether
 Concen: 19.611 ug/l
 RT: 4.99 min Scan# 1012
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	73	Resp	178916
Ion Ratio	Lower	Upper	
73	100		
57	21.2	17.6	26.4

Manual Integrations
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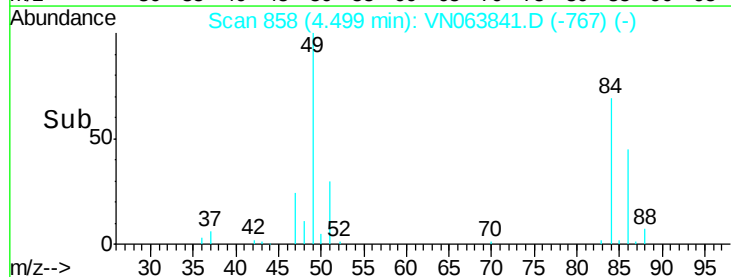
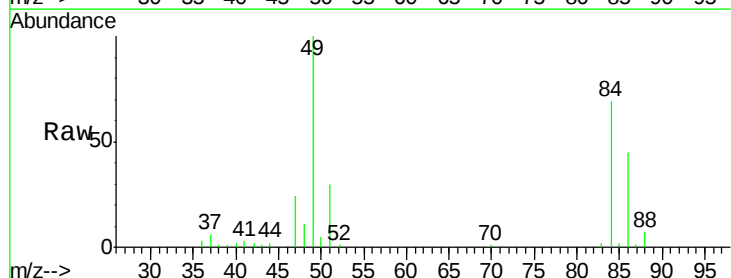
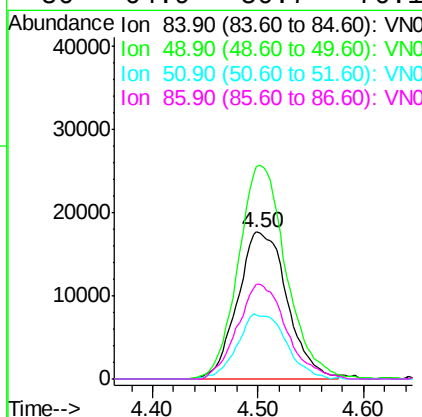
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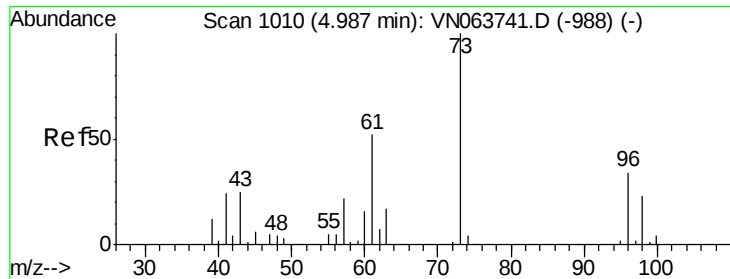


#20

Methylene Chloride
 Concen: 19.893 ug/l
 RT: 4.50 min Scan# 858
 Delta R.T. -0.01 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	84	Resp	57616
Ion Ratio	Lower	Upper	
84	100		
49	144.4	110.4	165.6
51	43.7	33.3	49.9
86	64.9	50.7	76.1





#21

trans-1,2-Dichloroethene

Concen: 18.430 ug/l

RT: 4.99 min Scan# 1010

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion: 96 Resp: 51839

Ion Ratio Lower Upper

96 100

61 138.7 120.2 180.2

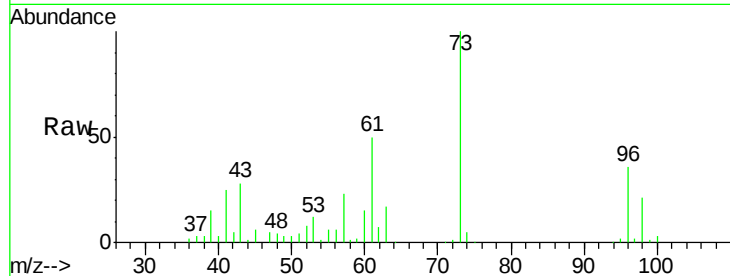
98 59.0 52.6 79.0

Manual Integrations

APPROVED

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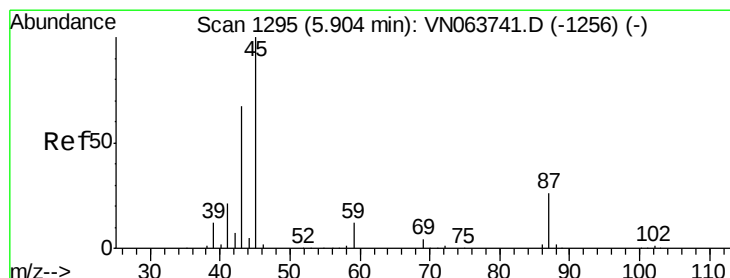
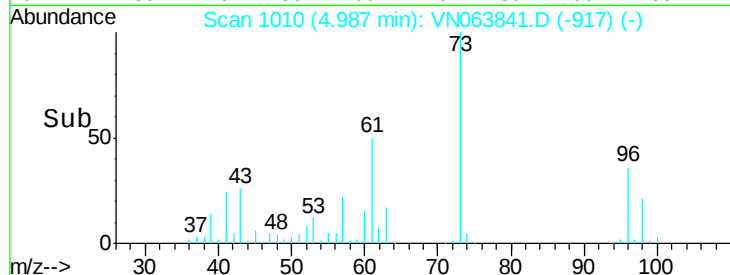
Abundance Ion 95.90 (95.60 to 96.60): VN063841.D (-988) (-)

Ion 60.90 (60.60 to 61.60): VN063841.D (-988) (-)

Ion 97.90 (97.60 to 98.60): VN063841.D (-988) (-)

Time-->

4.99



#22

Diisopropyl ether

Concen: 19.948 ug/l

RT: 5.90 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion: 45 Resp: 191471

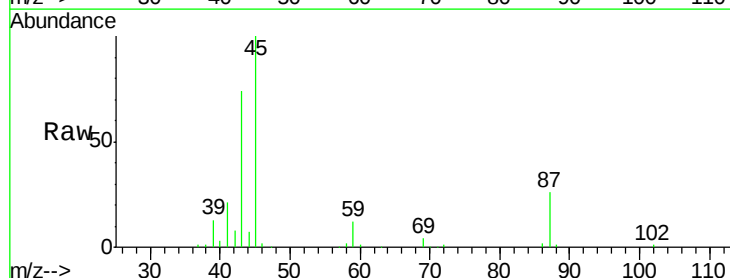
Ion Ratio Lower Upper

45 100

43 70.6 53.7 80.5

87 26.1 21.1 31.7

59 11.6 9.2 13.8



Abundance Ion 45.00 (44.70 to 45.70): VN063841.D (-1256) (-)

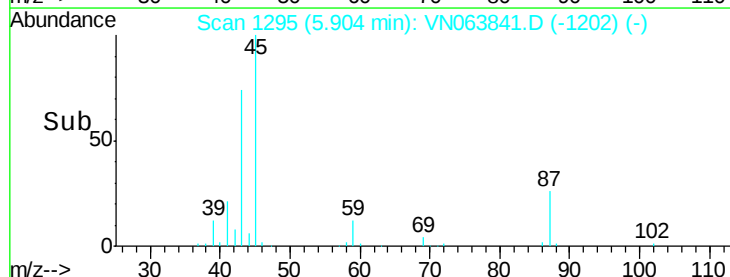
Ion 43.00 (42.70 to 43.70): VN063841.D (-1256) (-)

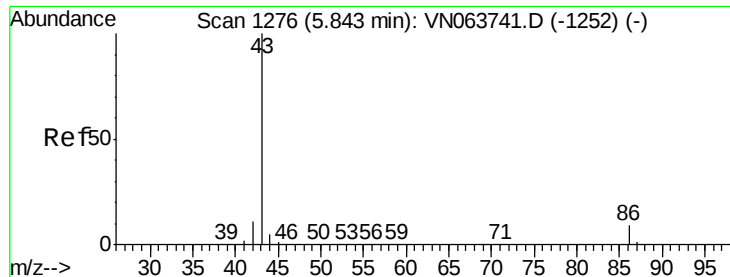
Ion 87.00 (86.70 to 87.70): VN063841.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN063841.D (-1256) (-)

Time-->

5.90





#23

Vinyl Acetate

Concen: 100.214 ug/l

RT: 5.85 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleID :

VN1002WBSD02

Tot Ion: 43 Resp: 796817

Ion Ratio Lower Upper

43 100

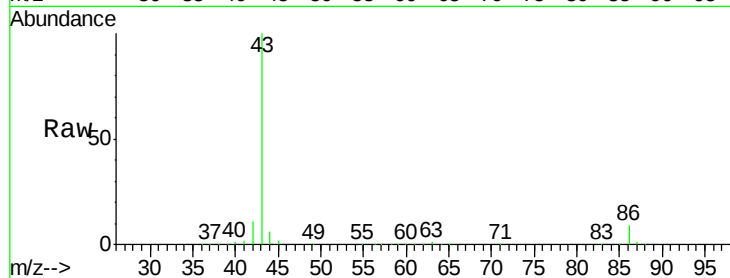
86 9.2 7.3 10.9

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

250000

200000

150000

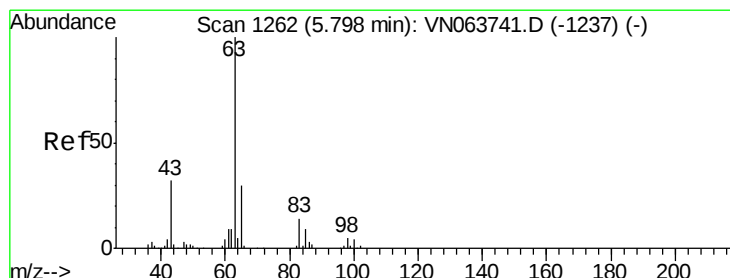
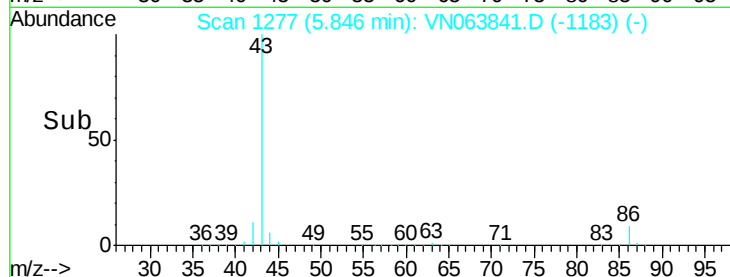
100000

50000

0

5.70 5.80 5.90 6.00

Time-->



#24

1,1-Dichloroethane

Concen: 19.673 ug/l

RT: 5.80 min Scan# 1262

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

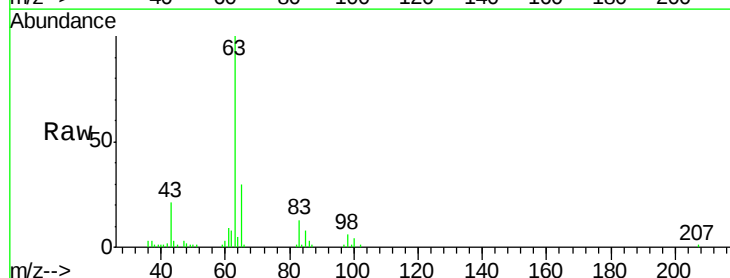
Tgt Ion: 63 Resp: 107969

Ion Ratio Lower Upper

63 100

98 5.9 2.7 8.1

100 3.7 1.9 5.7



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

40000

30000

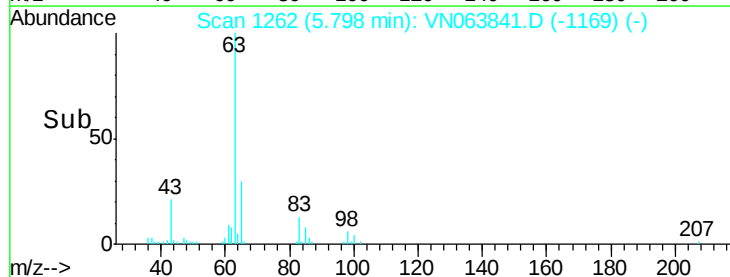
20000

10000

0

5.70 5.80 5.90

Time-->





#25

2-Butanone

Concen: 113.657 ug/l

RT: 6.78 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion: 43 Resp: 204362

Ion Ratio Lower Upper

43 100

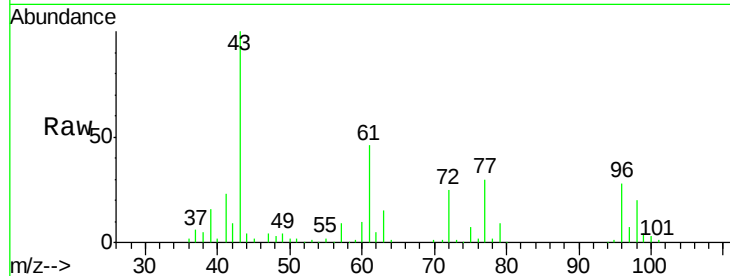
72 24.8 19.3 28.9

Manual Integrations

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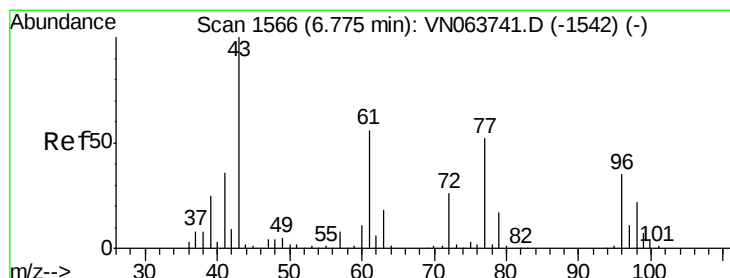
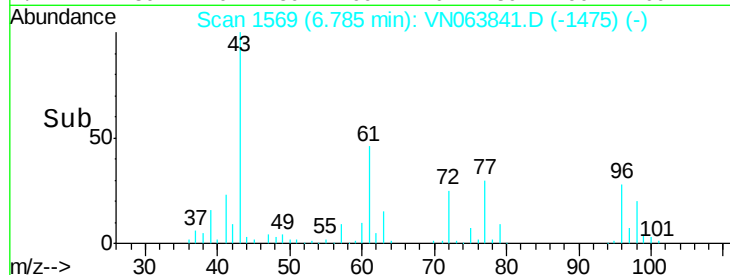
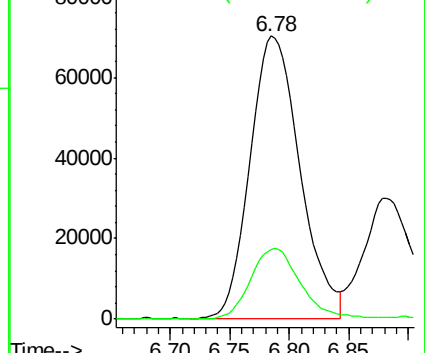
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 14.421 ug/l

RT: 6.78 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN063841.D

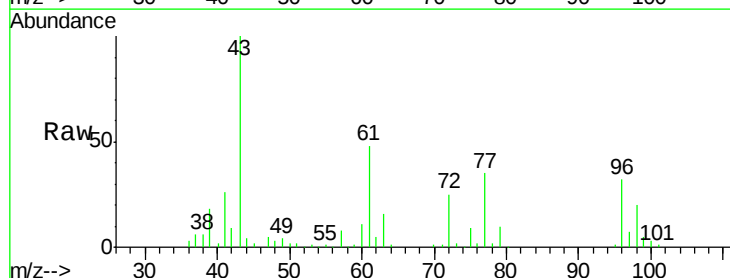
Acq: 3 Oct 2020 00:20

Tgt Ion: 77 Resp: 72479

Ion Ratio Lower Upper

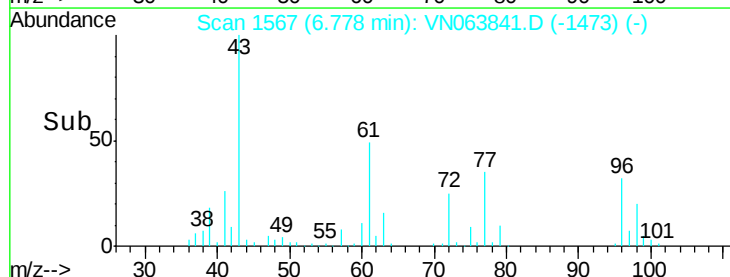
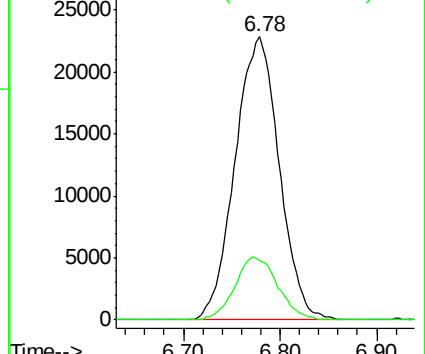
77 100

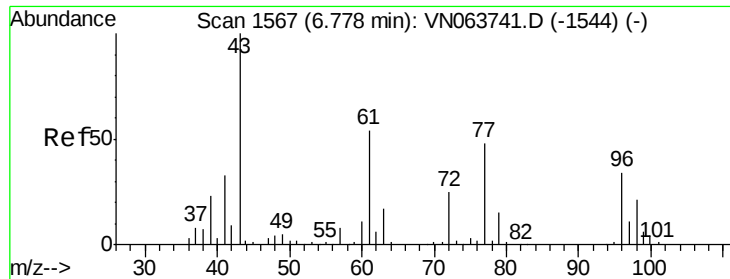
97 21.5 10.8 32.3



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





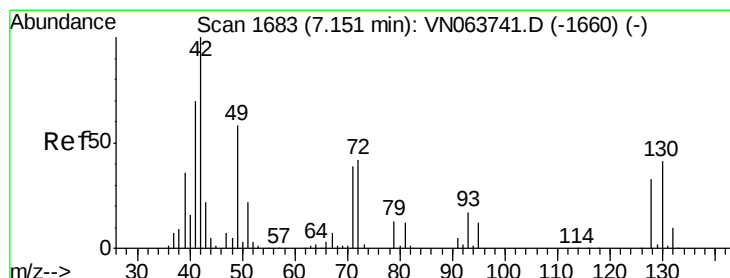
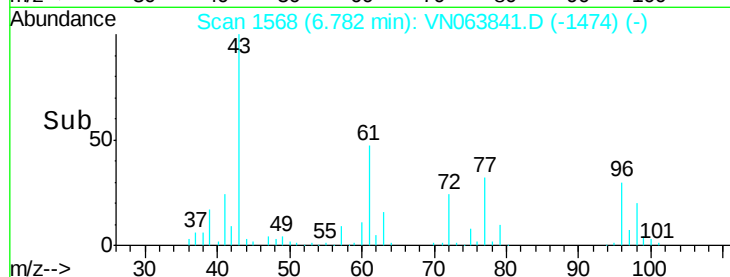
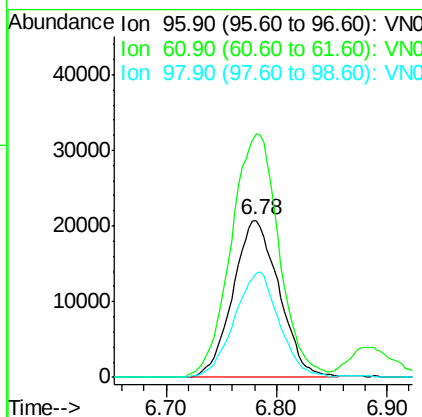
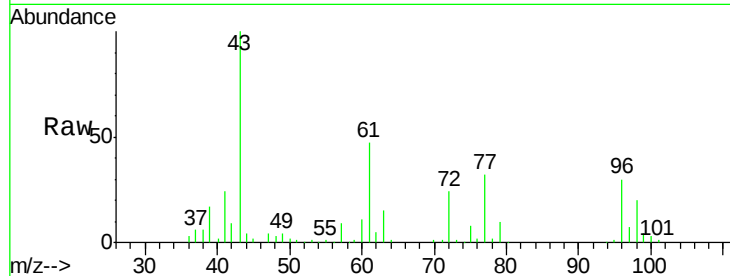
#27
 cis-1,2-Dichloroethene
 Concen: 18.580 ug/l
 RT: 6.78 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.9	0.0	321.2
98	65.2	0.0	124.4

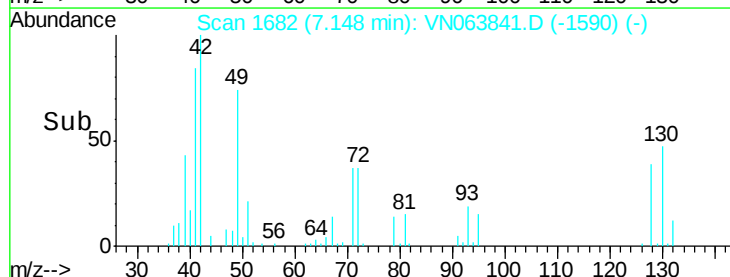
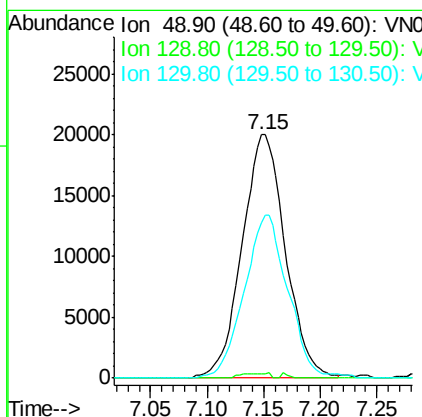
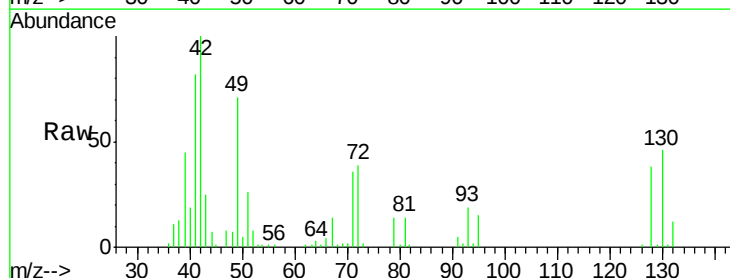
Manual Integrations
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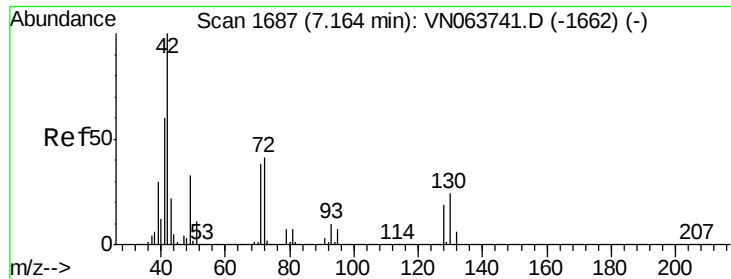
MMDadoda
 10/5/2020 5:35:36 PM



#28
 Bromochloromethane
 Concen: 19.617 ug/l
 RT: 7.15 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.2	0.0	4.8
130	66.6	55.6	83.4





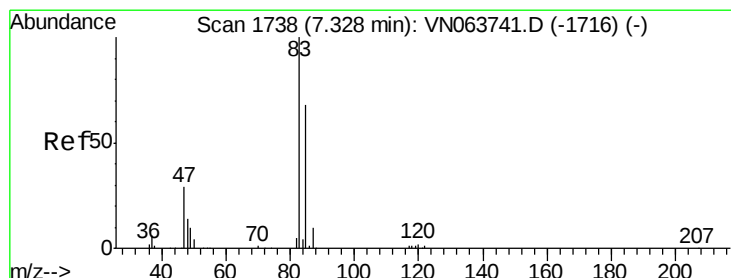
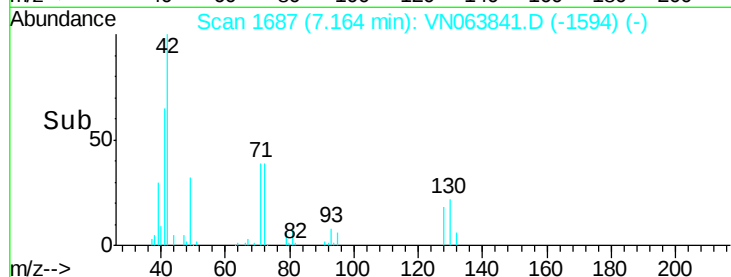
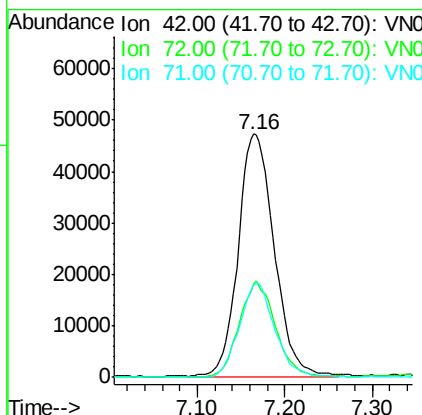
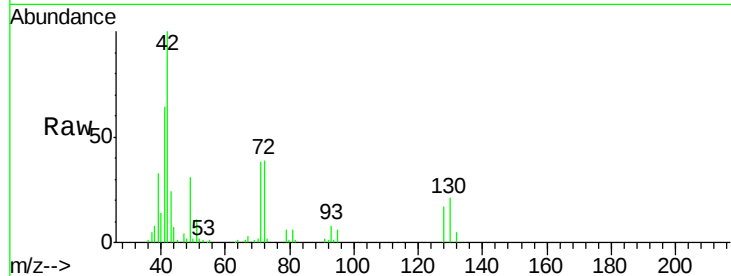
#29
Tetrahydrofuran
Concen: 111.401 ug/l
RT: 7.16 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.1	32.8	49.2
71	38.7	30.6	45.8

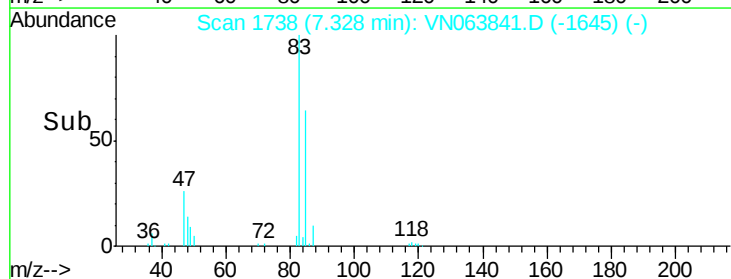
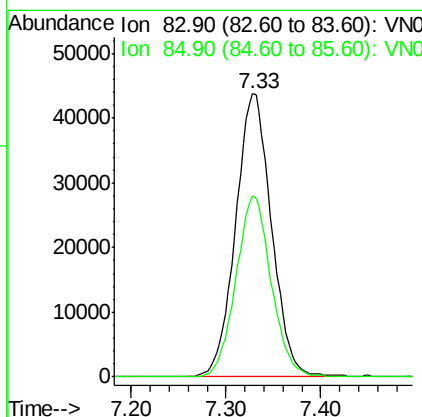
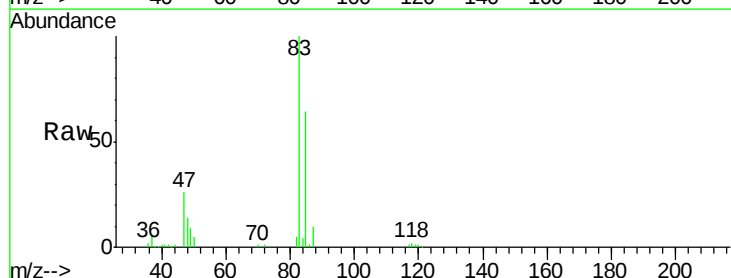
Manual Integrations
APPROVED

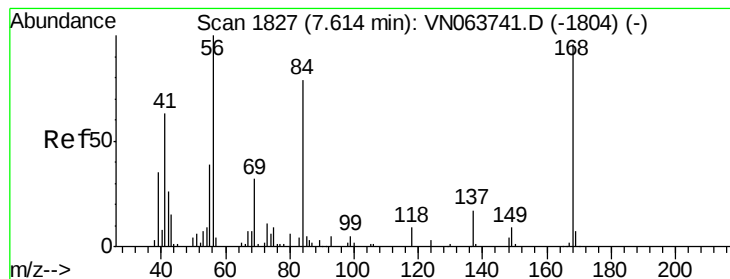
MMDadoda
10/5/2020 5:35:36 PM



#30
Chloroform
Concen: 20.138 ug/l
RT: 7.33 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.8	54.6	82.0





#31

Cvclohexane

Concen: 17.856 ug/l

RT: 7.62 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

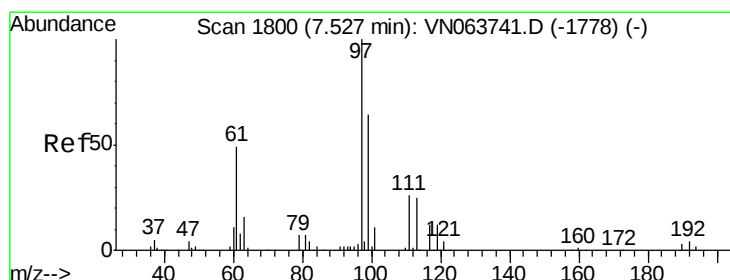
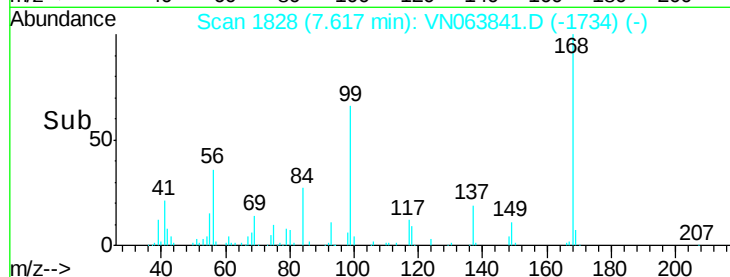
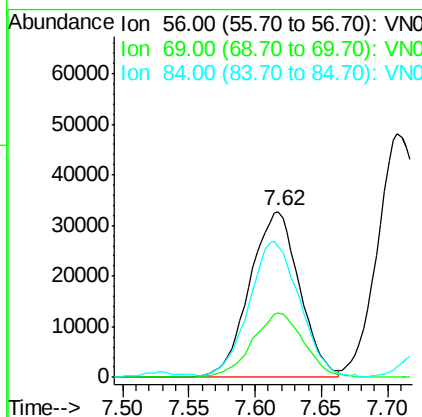
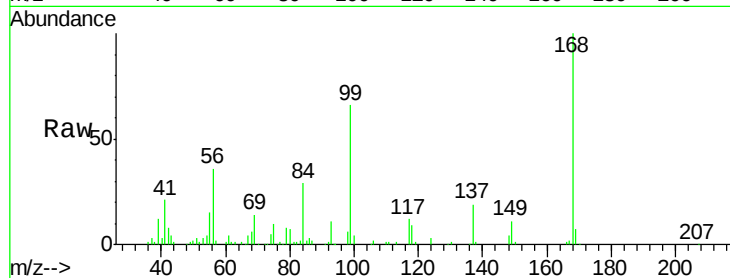
ClientSampleId :

VN1002WBSD02

Tot Ion:	56	Resp:	85404
Ion Ratio	Lower	Upper	
56	100		
69	38.5	25.4	38.2#
84	77.6	63.3	94.9

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 19.865 ug/l

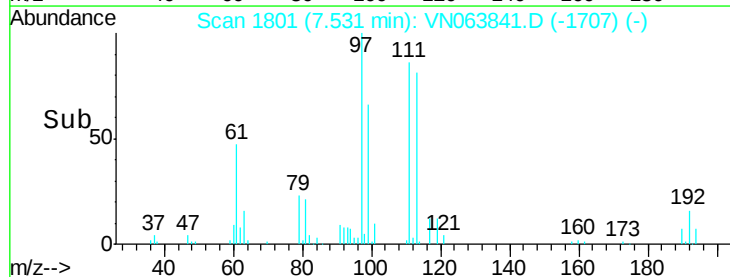
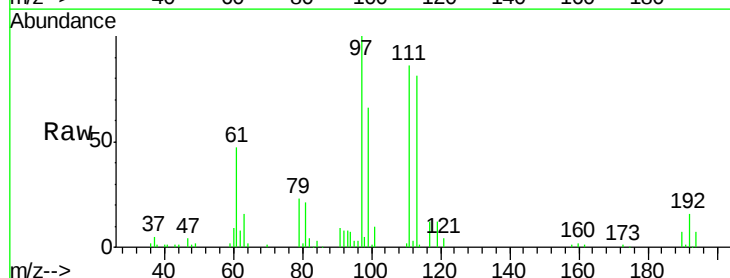
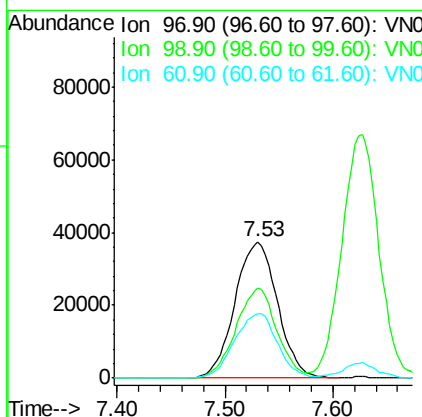
RT: 7.53 min Scan# 1801

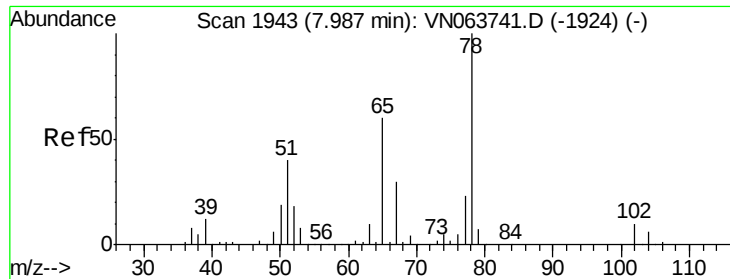
Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	97	Resp:	102535
Ion Ratio	Lower	Upper	
97	100		
99	63.6	51.0	76.6
61	47.6	38.7	58.1





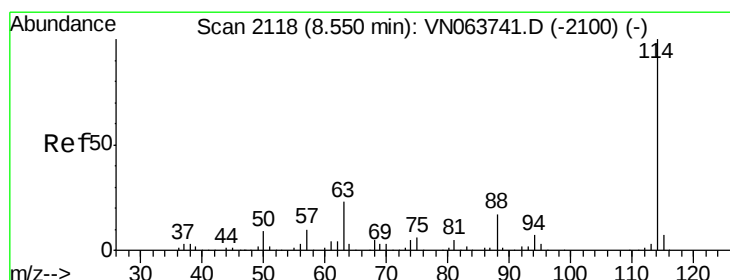
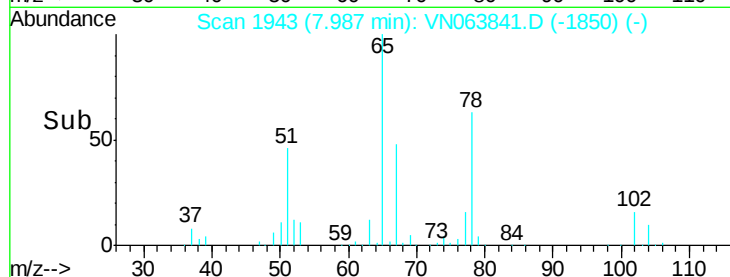
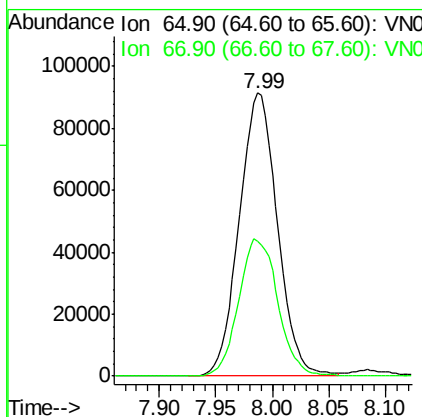
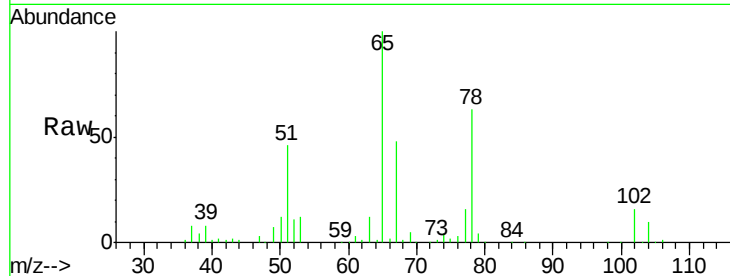
#33
 1,2-Dichloroethane-d4
 Concen: 52.086 ug/l
 RT: 7.99 min Scan# 1943
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	214591		
67	49.9	0.0	99.6	

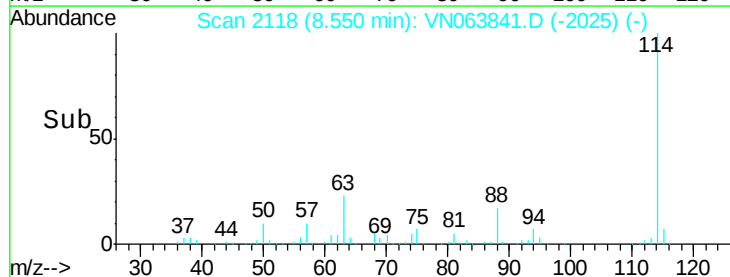
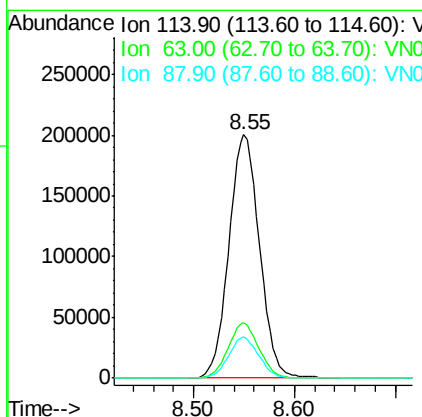
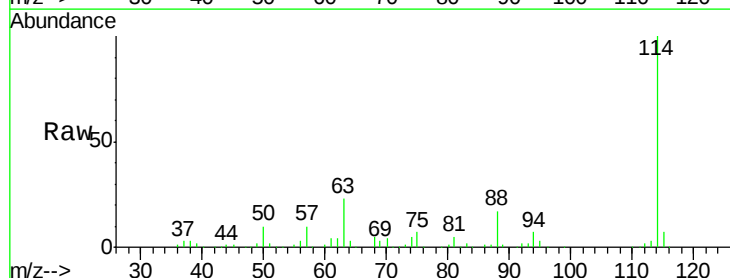
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.55 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	422445		
63	22.9	0.0	45.0	
88	16.8	0.0	34.0	





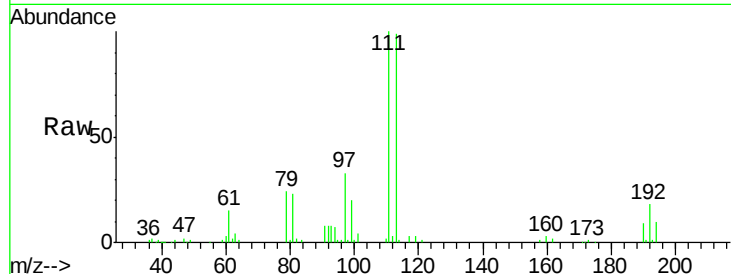
#35
Dibromofluoromethane
Concen: 49.860 ug/l
RT: 7.55 min Scan# 1807
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

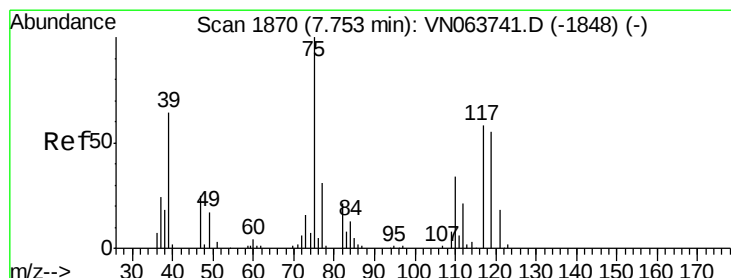
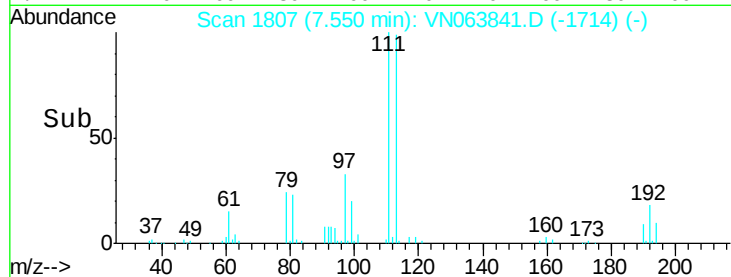
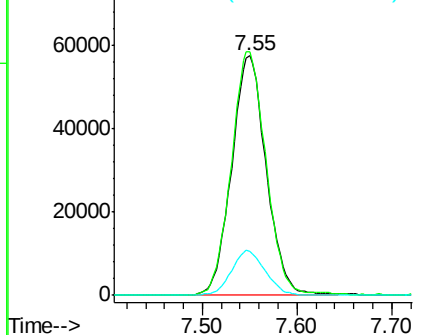
Tot Ion	Ratio	Resp	Lower	Upper
113	100	146152		
111	101.7	81.8	122.8	
192	18.4	14.2	21.2	

Manual Integrations
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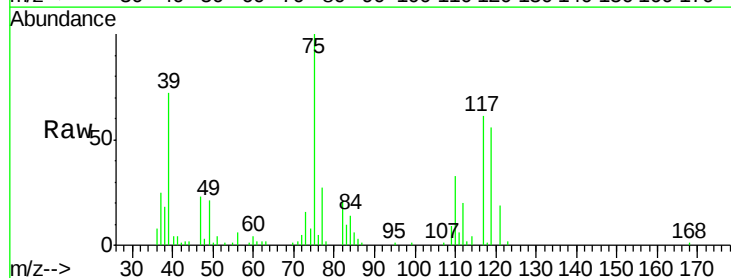


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

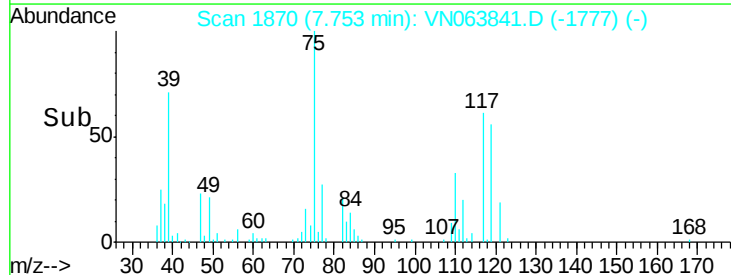
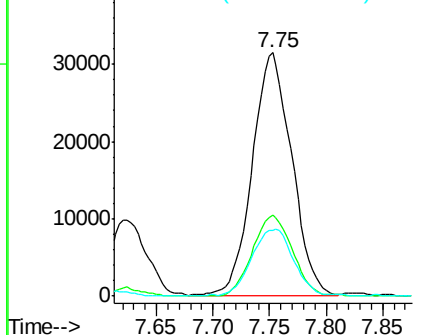


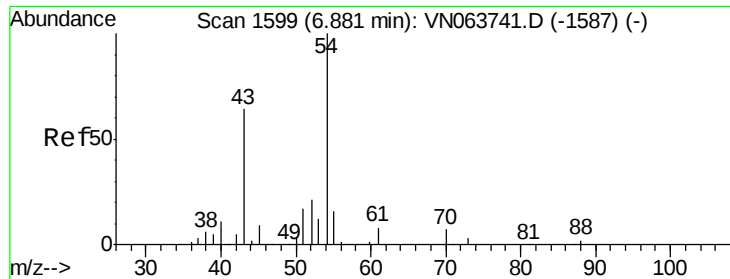
#36
1,1-Dichloropropene
Concen: 17.928 ug/l
RT: 7.75 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	76729		
110	33.3	16.9	50.6	
77	29.2	24.5	36.7	



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





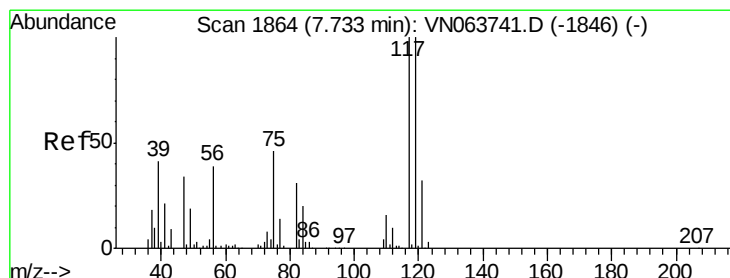
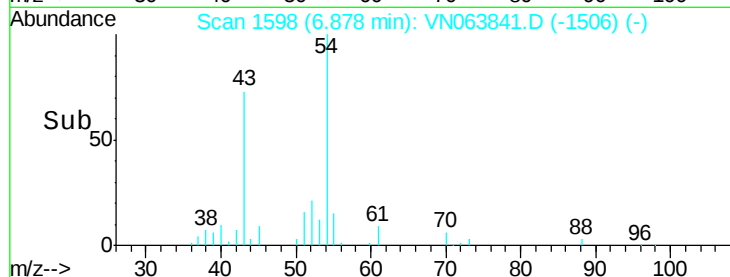
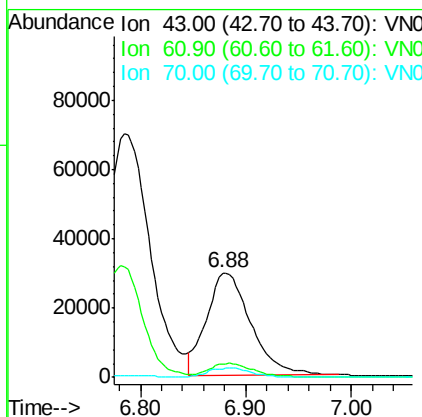
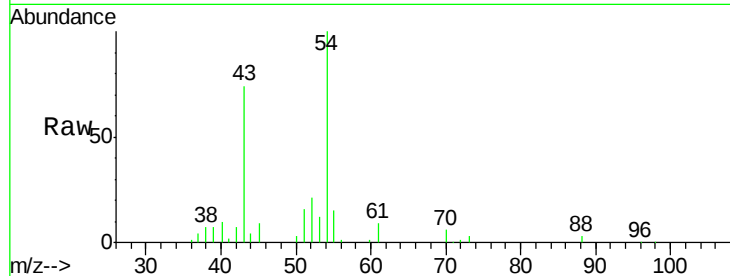
#37
Ethyl Acetate
Concen: 20.258 ug/l
RT: 6.88 min Scan# 1598
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	43	61	70
Resp:	86137		
Ratio	100	14.2	9.1
Lower		10.4	7.3
Upper		15.6	10.9

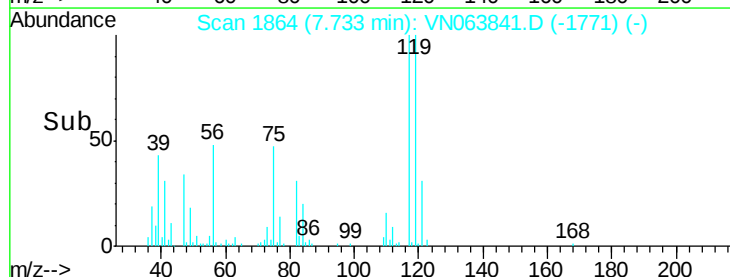
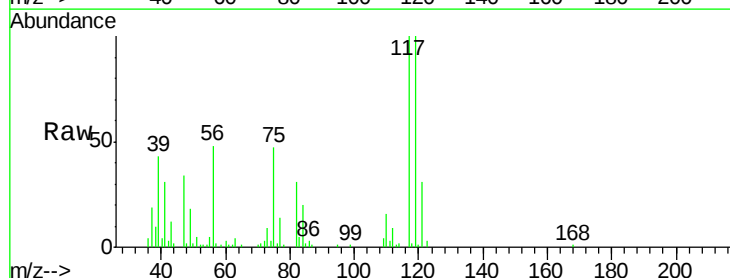
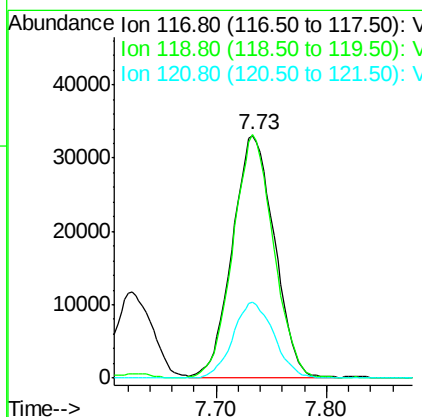
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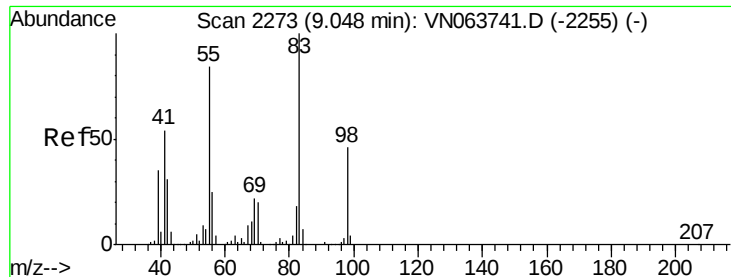
MMDadoda
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#38
Carbon Tetrachloride
Concen: 18.259 ug/l
RT: 7.73 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	117	119	121
Resp:	87629		
Ratio	100	100.4	31.5
Lower		80.1	25.7
Upper		120.1	38.5





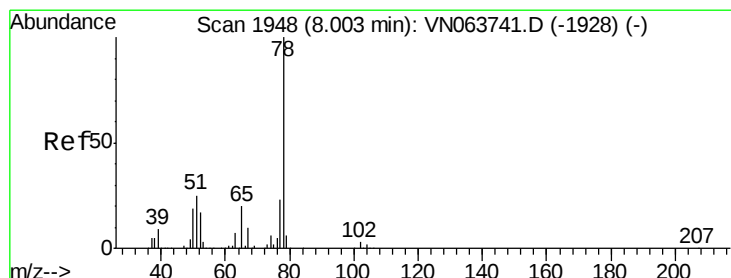
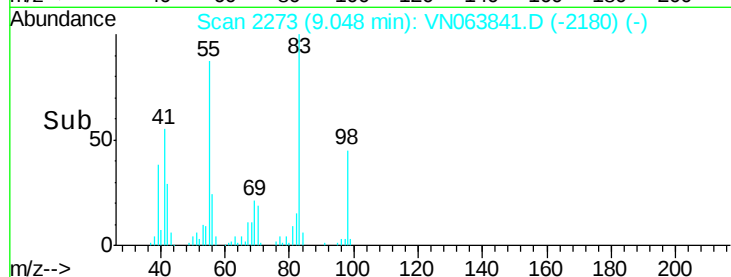
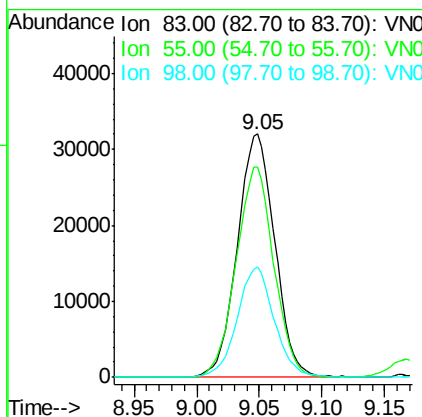
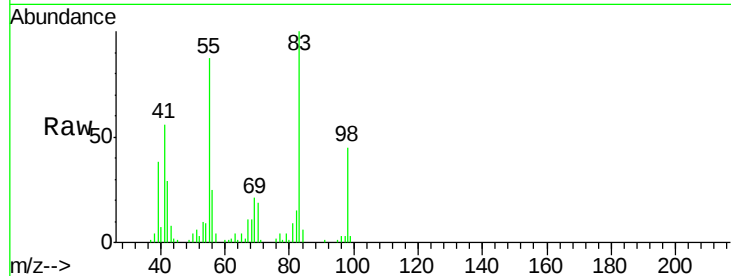
#39
Methvlcvclohexane
Concen: 15.579 ug/l
RT: 9.05 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
55	86.6	67.1	100.7
98	45.3	36.6	54.8

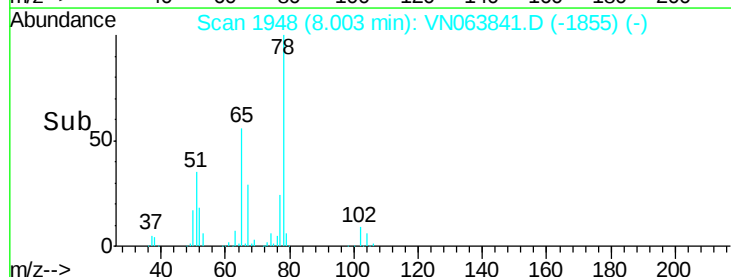
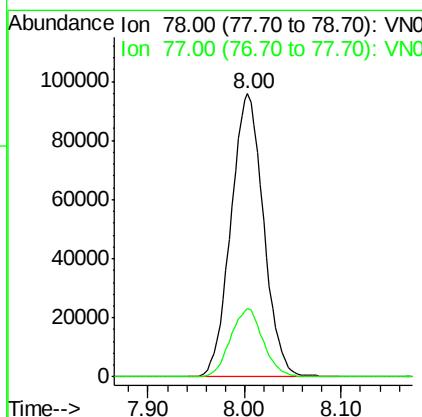
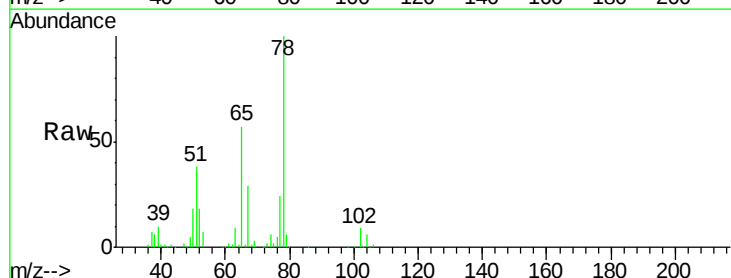
Manual Integrations
APPROVED

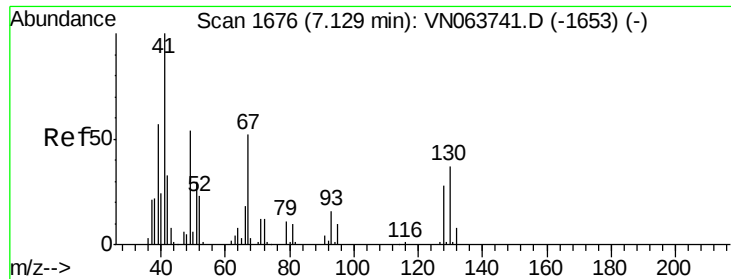
MMDadoda
10/5/2020 5:35:36 PM



#40
Benzene
Concen: 18.399 ug/l
RT: 8.00 min Scan# 1948
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.7	28.1





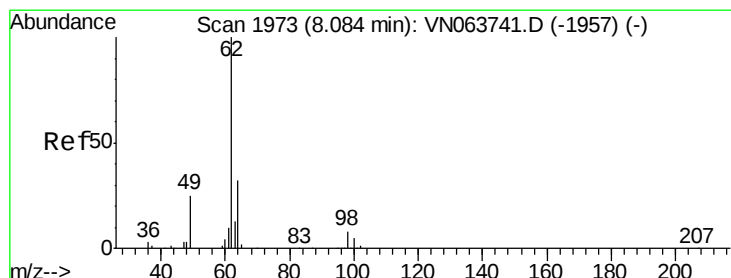
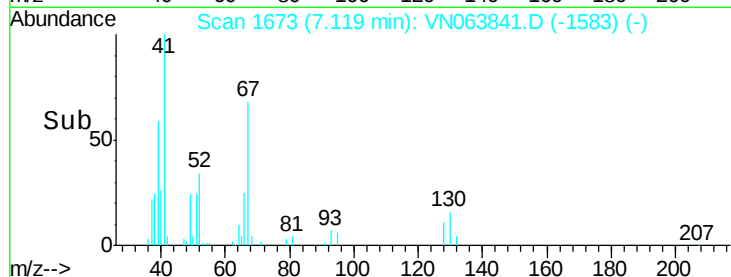
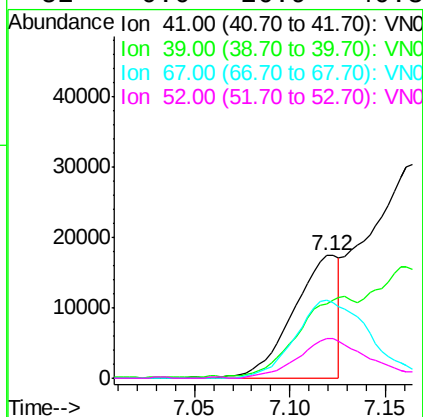
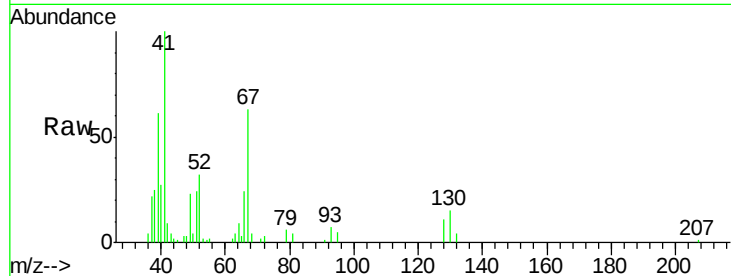
#41
Methacrylonitrile
Concen: 15.420 ug/l m
RT: 7.12 min Scan# 1673
Delta R.T. -0.01 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	42.5	63.7#
67	0.0	57.4	86.2#
52	0.0	26.9	40.3#

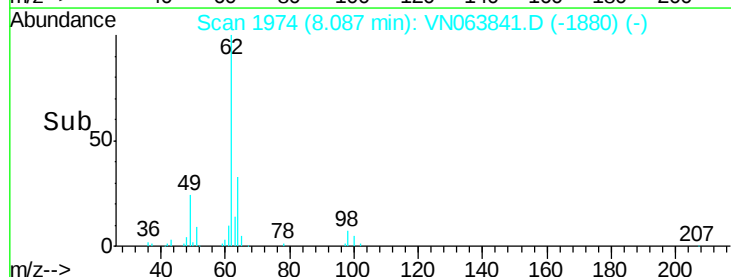
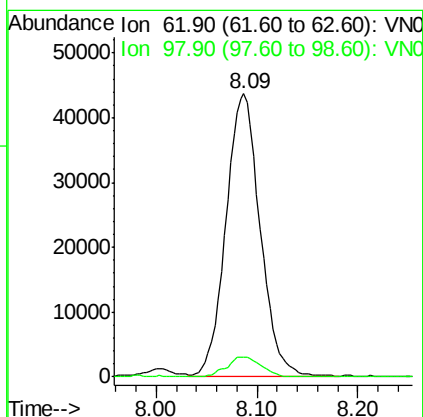
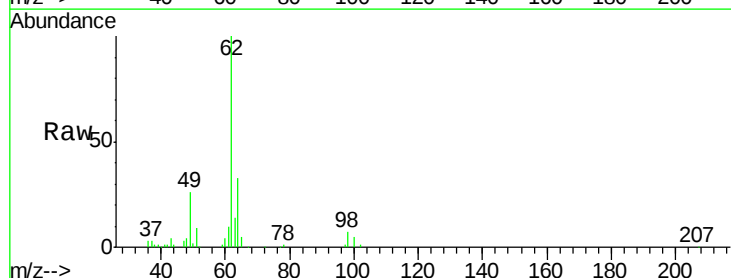
Manual Integrations
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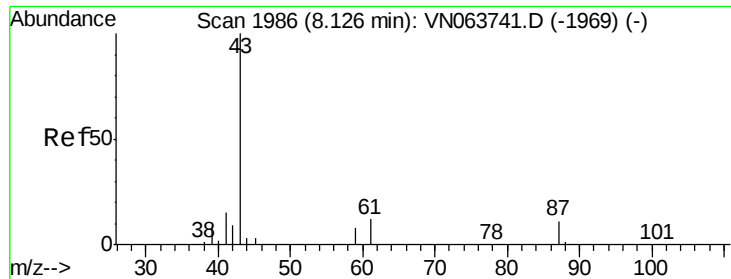
MMDadoda
10/5/2020 5:35:36 PM



#42
1,2-Dichloroethane
Concen: 19.796 ug/l
RT: 8.09 min Scan# 1974
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	6.9	0.0	15.0





#43

Isopropyl Acetate

Concen: 20.283 ug/l

RT: 8.13 min Scan# 1986

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

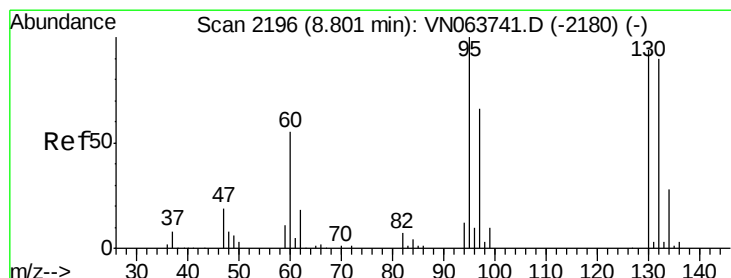
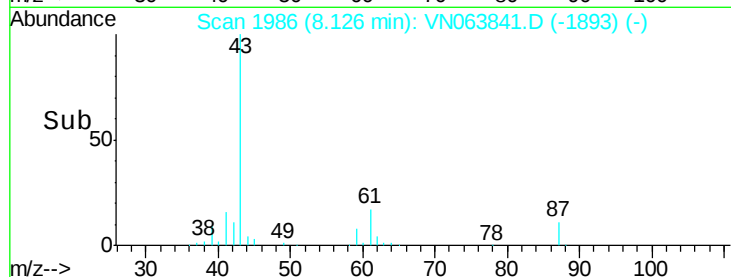
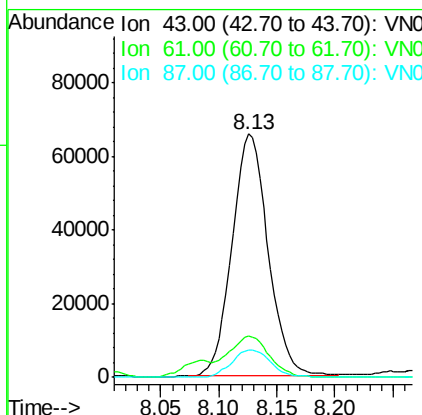
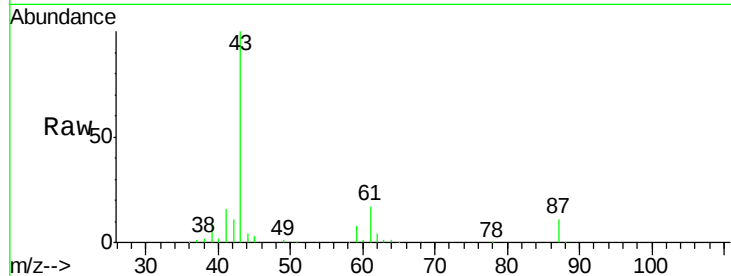
ClientSampleId :

VN1002WBSD02

Tot Ion:	43	Resp:	142254
Ion	Ratio	Lower	Upper
43	100		
61	19.0	14.2	21.4
87	12.2	9.0	13.6

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#44

Trichloroethene

Concen: 17.769 ug/l

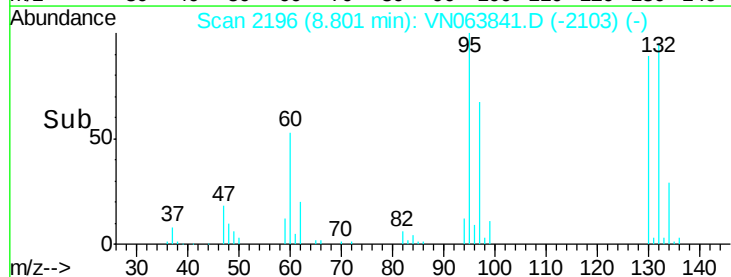
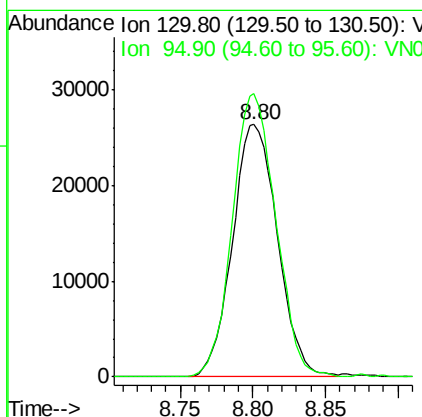
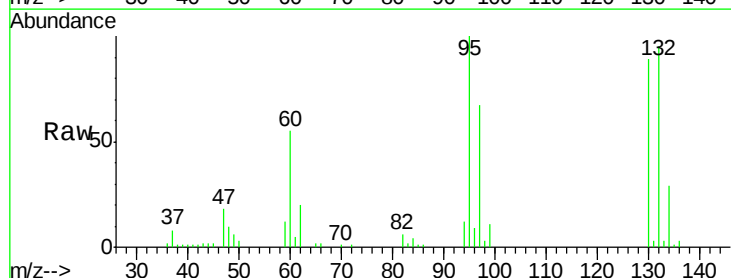
RT: 8.80 min Scan# 2196

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	130	Resp:	56911
Ion	Ratio	Lower	Upper
130	100		
95	112.1	0.0	213.6





#45

1,2-Dichloropropane

Concen: 19.096 ug/l

RT: 9.08 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion: 63 Resp: 63044

Ion Ratio Lower Upper

63 100

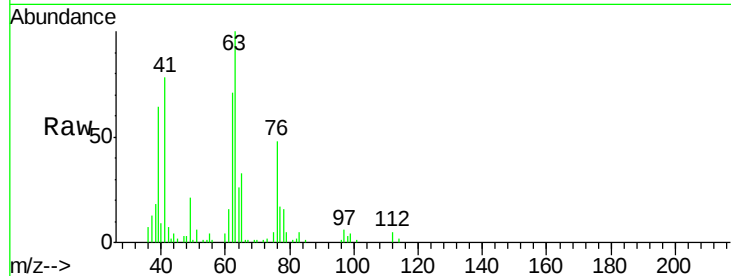
65 32.8 24.7 37.1

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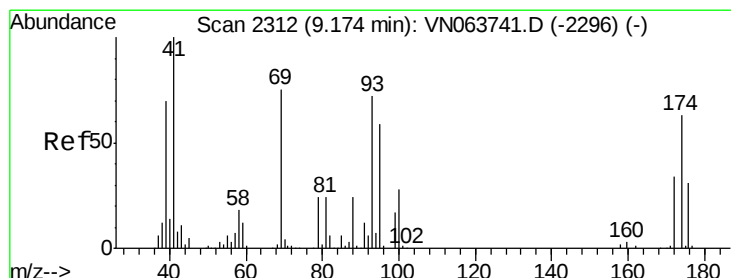
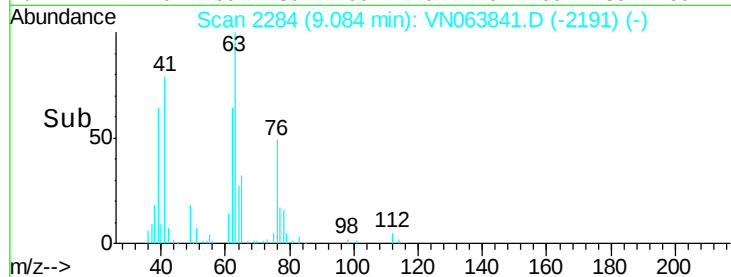
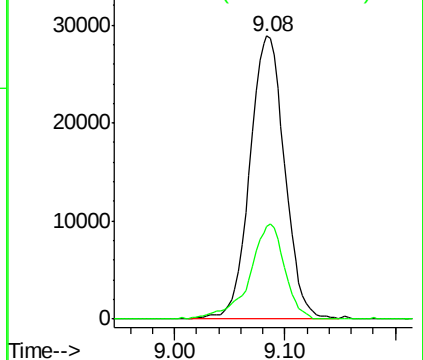
MMDadoda

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Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 19.230 ug/l

RT: 9.17 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

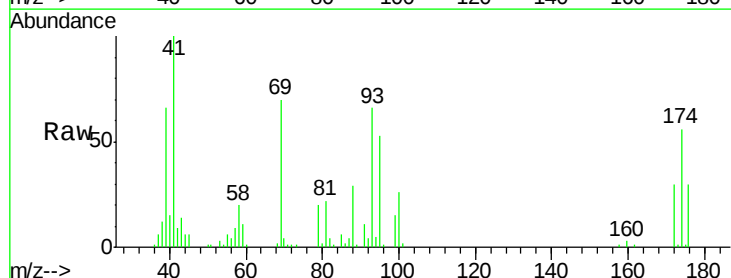
Tgt Ion: 93 Resp: 43795

Ion Ratio Lower Upper

93 100

95 81.8 66.3 99.5

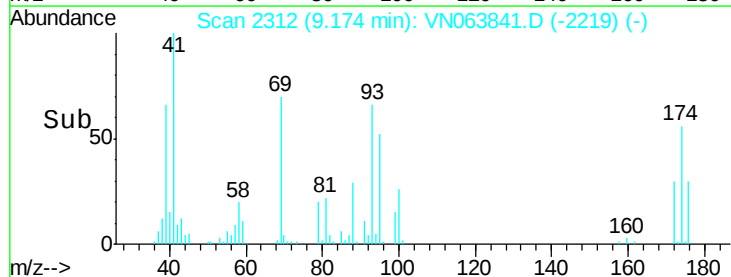
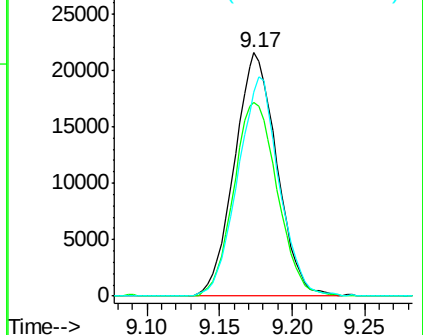
174 87.7 72.7 109.1



Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





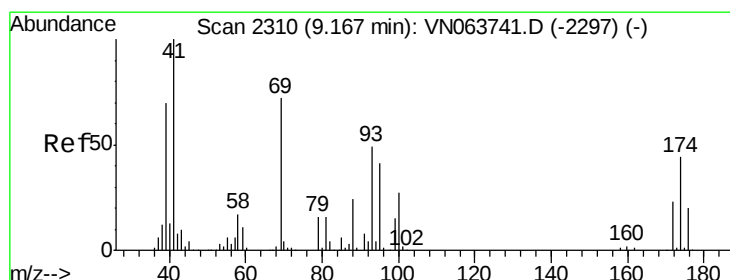
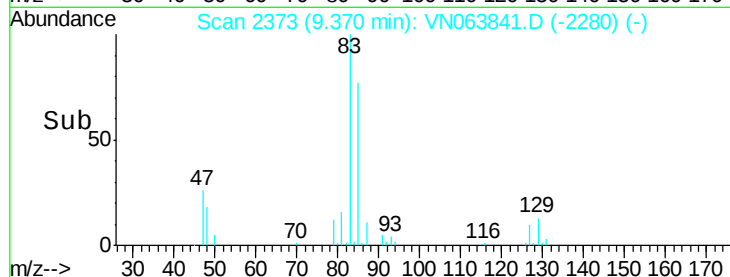
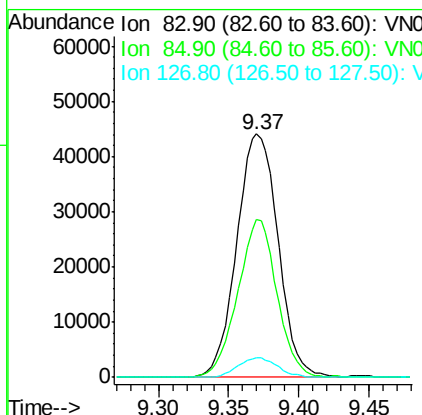
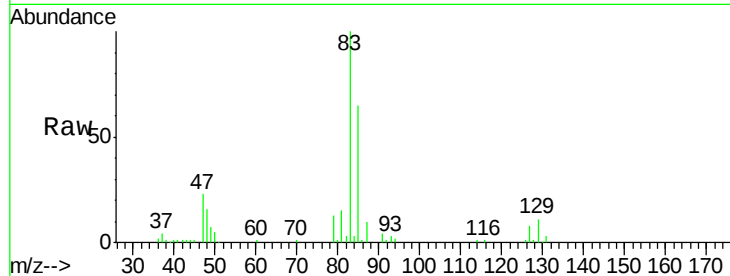
#47
Bromodichloromethane
Concen: 19.297 ug/l
RT: 9.37 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	83	Resp	90572
Ion Ratio	100	Lower	Upper
83	100		
85	64.7	50.6	75.8
127	8.3	6.6	9.8

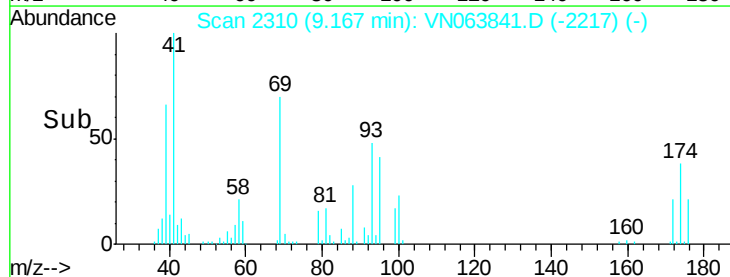
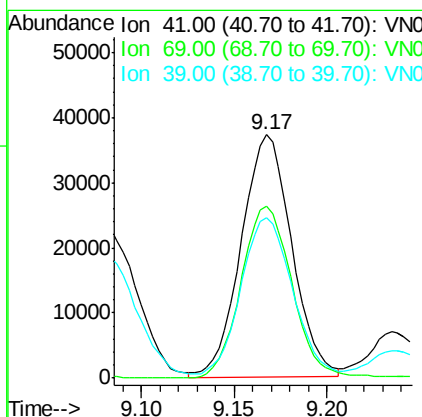
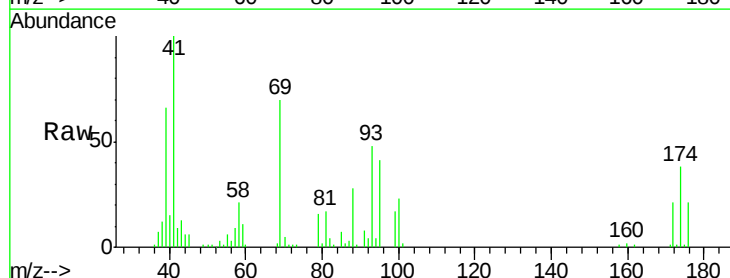
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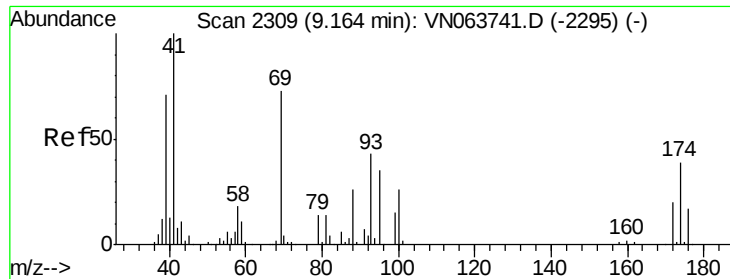
MMDadoda
10/5/2020 5:35:36 PM



#48
Methyl methacrylate
Concen: 20.329 ug/l
RT: 9.17 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	41	Resp	70444
Ion Ratio	100	Lower	Upper
41	100		
69	71.7	60.9	91.3
39	65.8	57.5	86.3





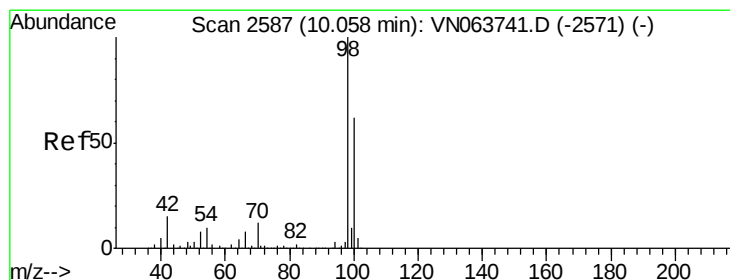
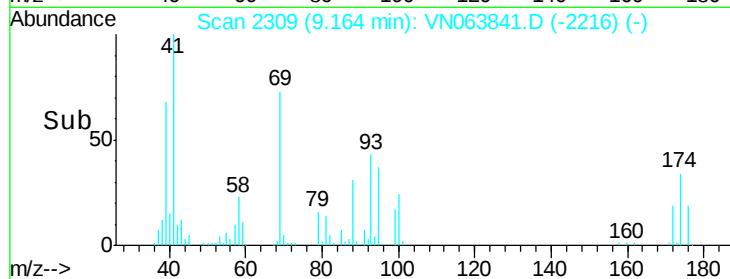
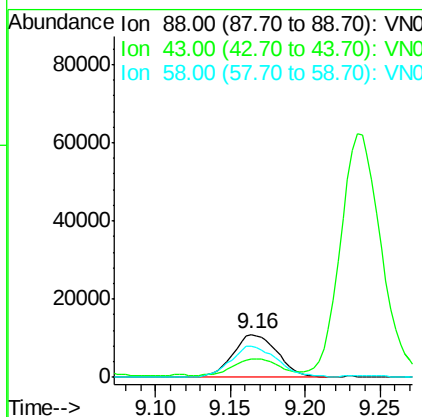
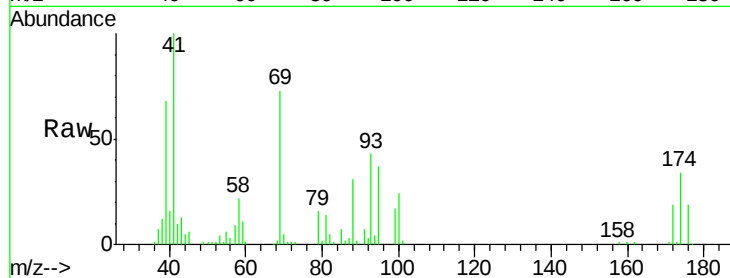
#49
1,4-Dioxane
Concen: 463.135 ug/l
RT: 9.16 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	38.0	33.1	49.7
58	76.9	58.9	88.3

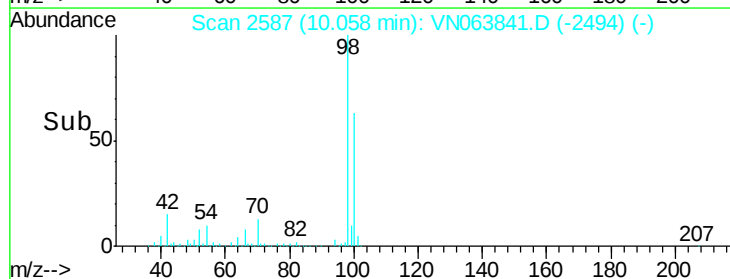
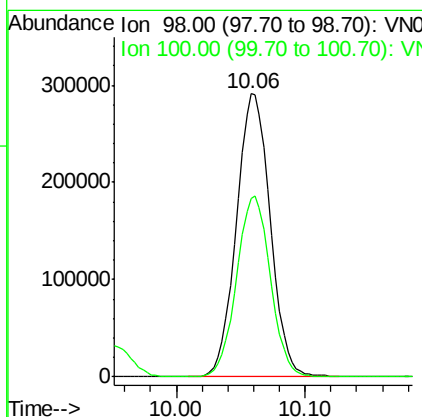
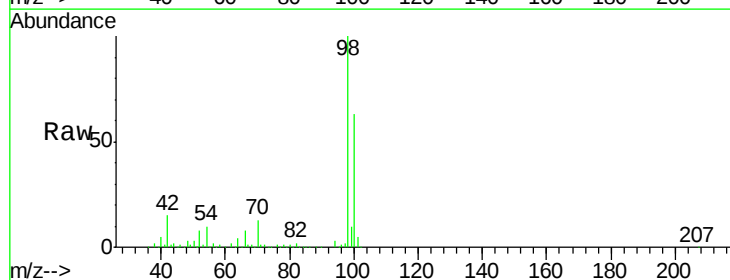
Manual Integrations
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#50
Toluene-d8
Concen: 47.822 ug/l
RT: 10.06 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
98	100		
100	63.7	49.8	74.6





#51

4-Methyl-2-Pentanone

Concen: 110.884 ug/l

RT: 9.95 min Scan# 2554

Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion: 43 Resp: 456384

Ion Ratio Lower Upper

43 100

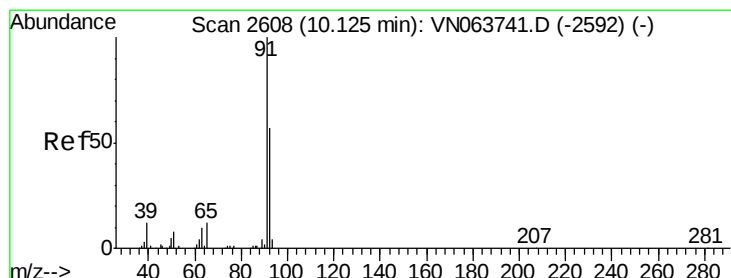
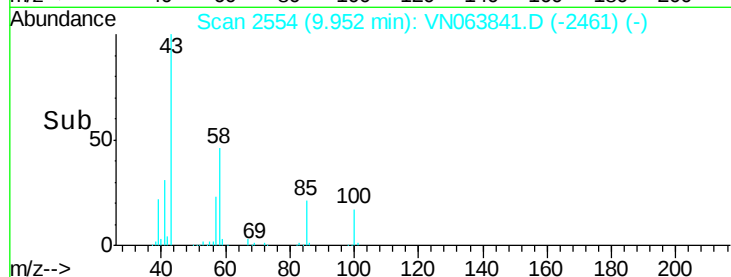
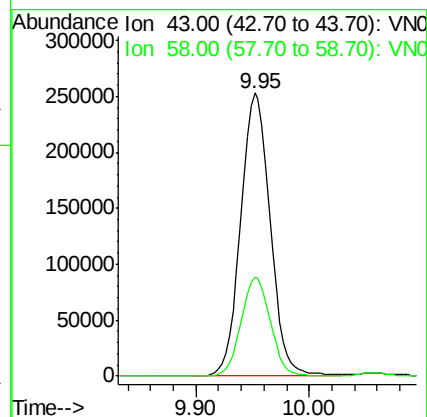
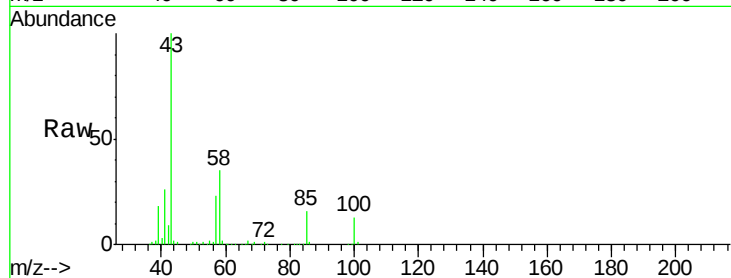
58 35.0 28.4 42.6

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#52

Toluene

Concen: 18.850 ug/l

RT: 10.13 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN063841.D

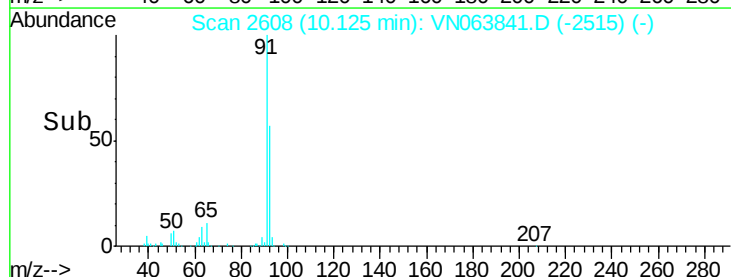
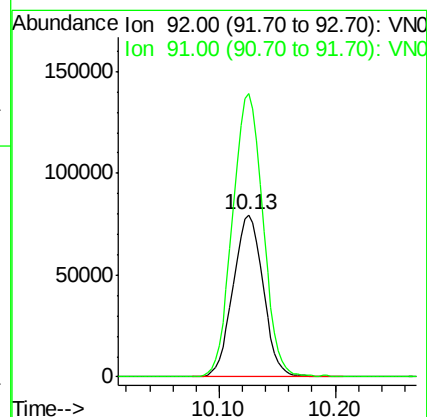
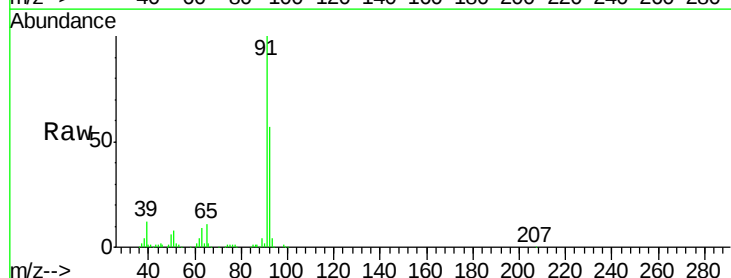
Acq: 3 Oct 2020 00:20

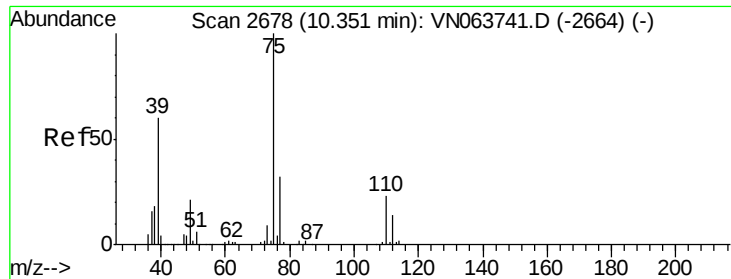
Tgt Ion: 92 Resp: 142527

Ion Ratio Lower Upper

92 100

91 177.1 140.6 210.8





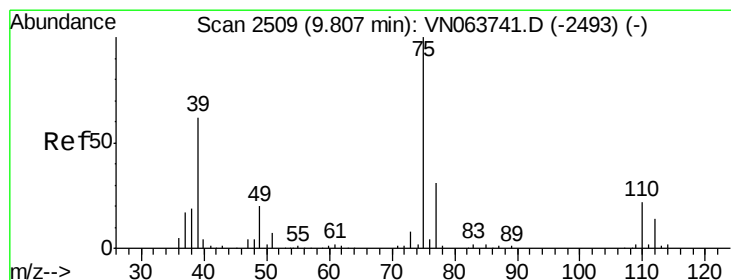
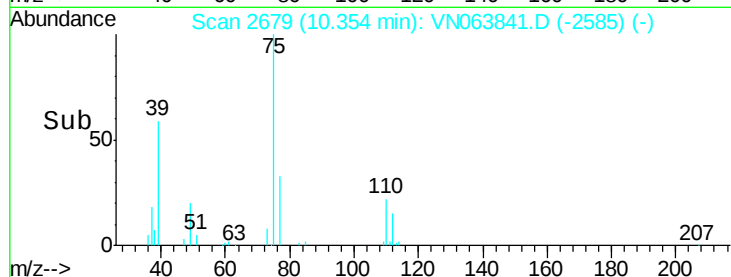
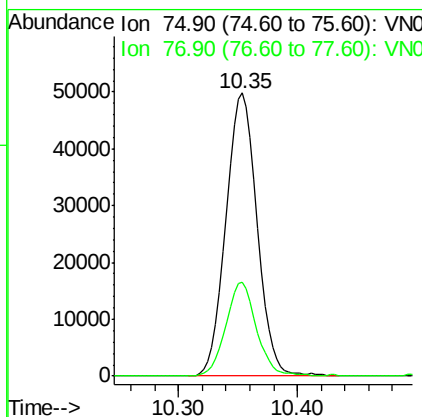
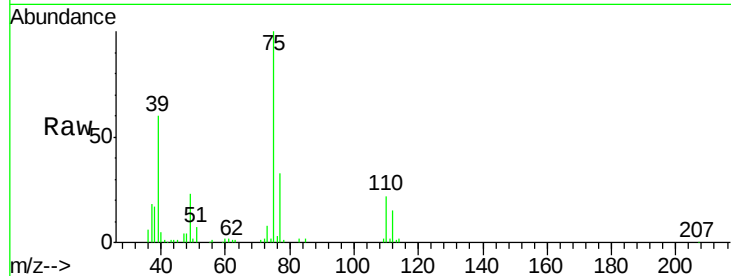
#53
t-1,3-Dichloropropene
Concen: 18.017 ug/l
RT: 10.35 min Scan# 2679
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion: 75 Resp: 90648
Ion Ratio Lower Upper
75 100
77 33.1 25.3 37.9

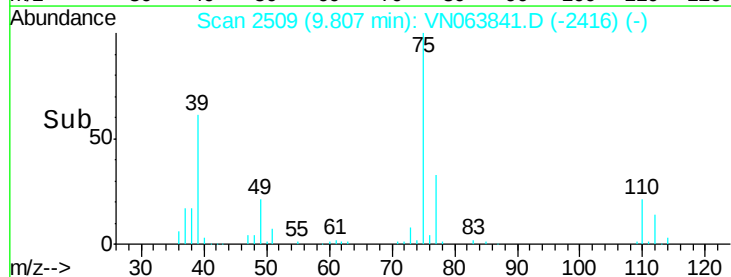
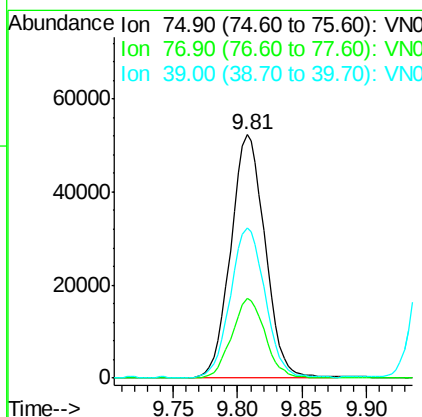
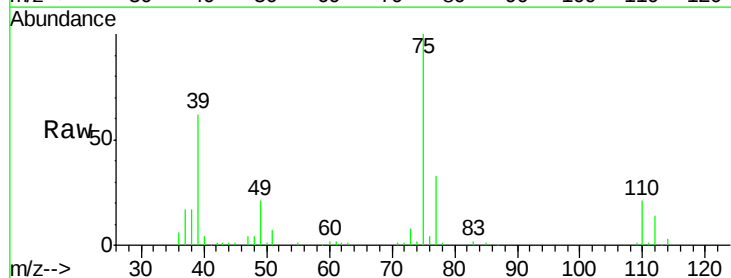
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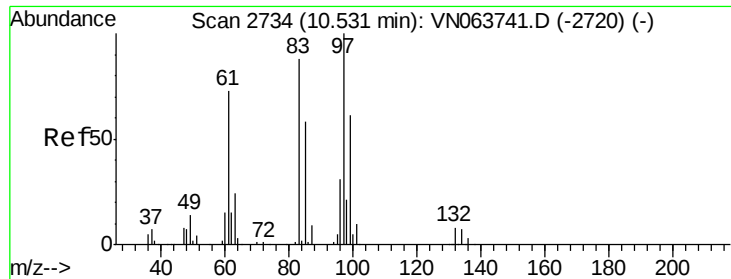
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#54
cis-1,3-Dichloropropene
Concen: 18.390 ug/l
RT: 9.81 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion: 75 Resp: 96765
Ion Ratio Lower Upper
75 100
77 32.7 24.6 36.8
39 61.5 49.7 74.5





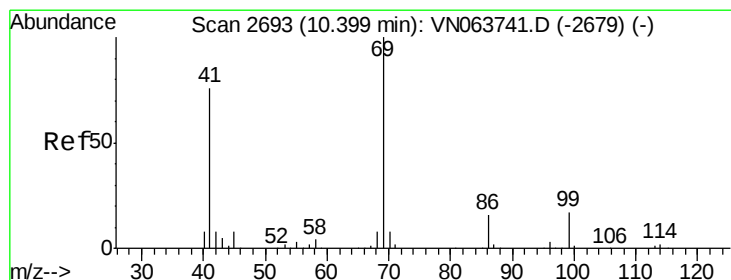
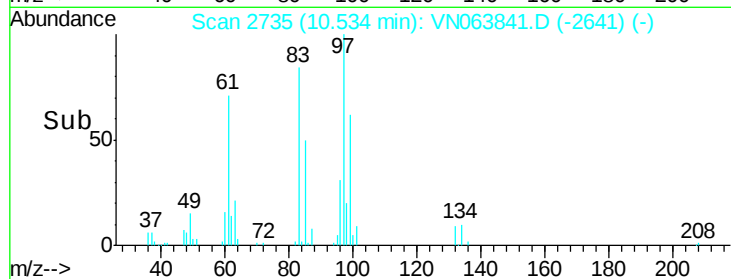
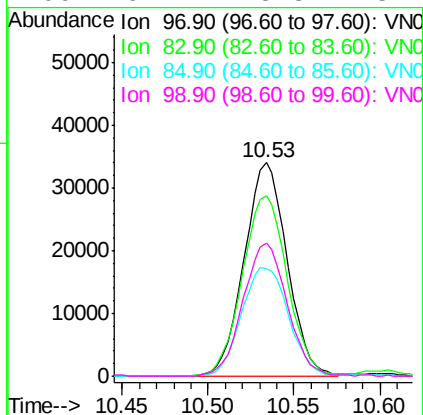
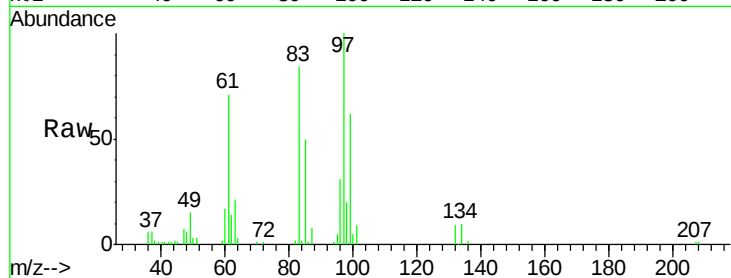
#55
 1,1,2-Trichloroethane
 Concen: 19.527 ug/l
 RT: 10.53 min Scan# 2735
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion:	97	Resp:	59209
Ion	Ratio	Lower	Upper
97	100		
83	84.3	70.7	106.1
85	50.3	46.1	69.1
99	62.4	48.8	73.2

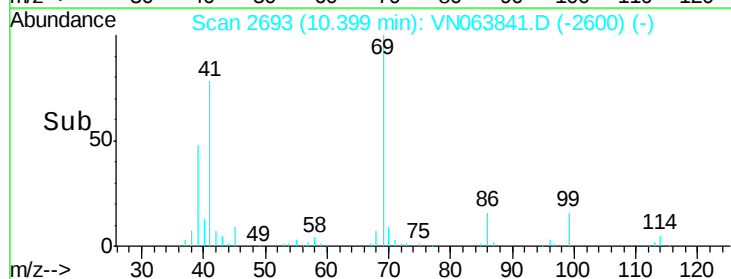
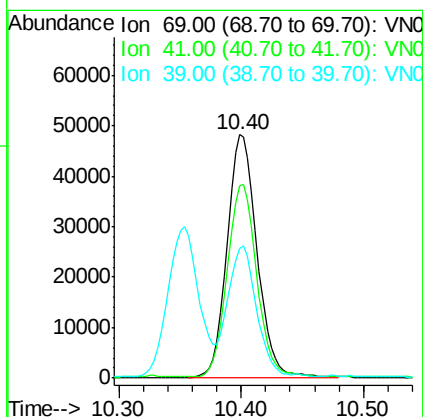
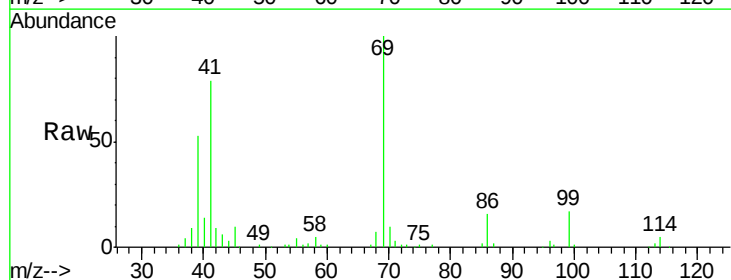
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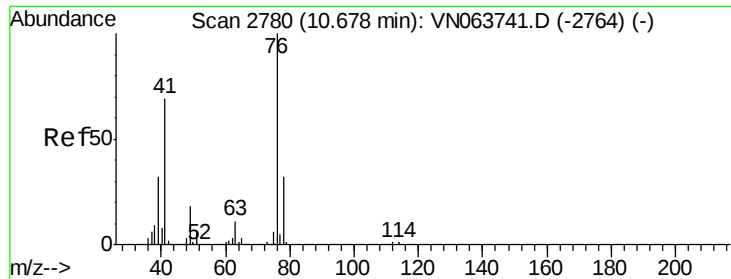
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#56
 Ethyl methacrylate
 Concen: 19.354 ug/l
 RT: 10.40 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion:	69	Resp:	83187
Ion	Ratio	Lower	Upper
69	100		
41	77.8	61.1	91.7
39	50.8	42.2	63.4





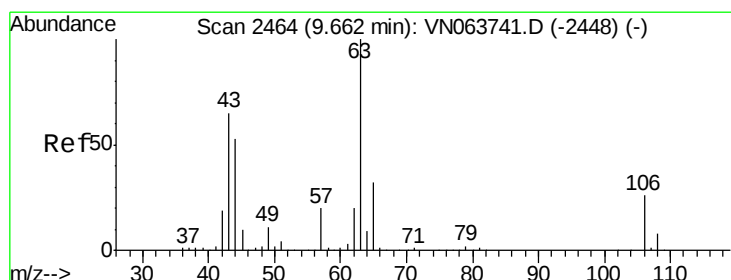
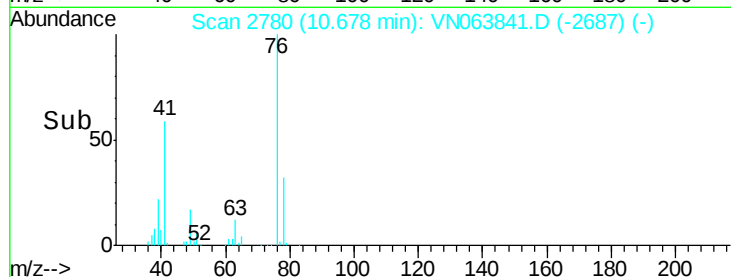
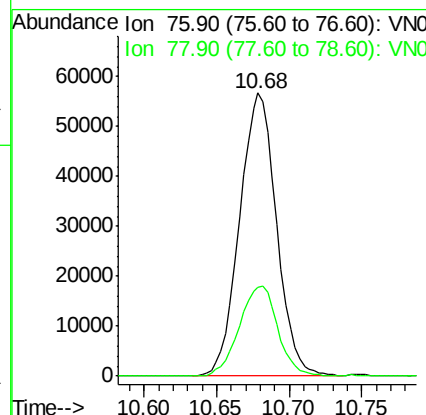
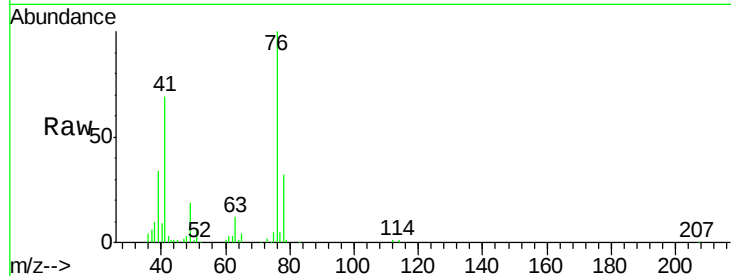
#57
 1,3-Dichloropropane
 Concen: 19.551 ug/l
 RT: 10.68 min Scan# 2780
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion: 76 Resp: 100298
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.2 37.8

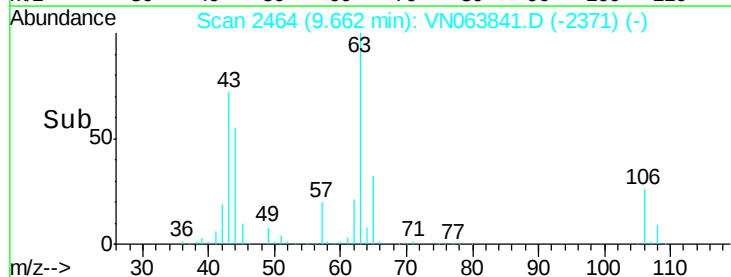
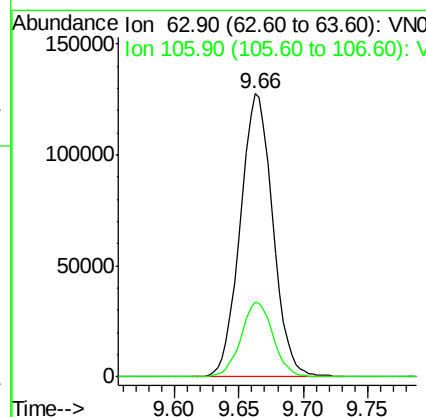
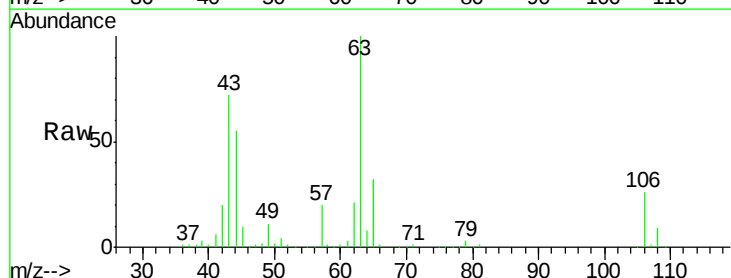
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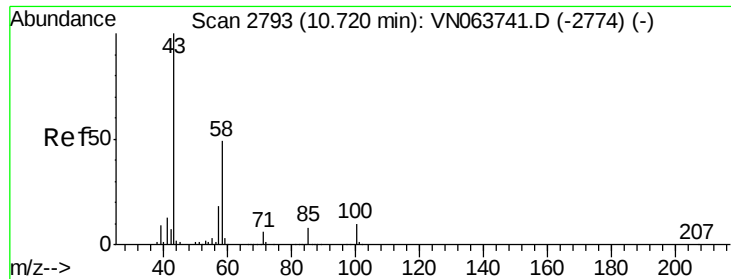
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 10/5/2020 5:35:36 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 97.609 ug/l
 RT: 9.66 min Scan# 2464
 Delta R.T. -0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion: 63 Resp: 224412
 Ion Ratio Lower Upper
 63 100
 106 26.1 20.7 31.1





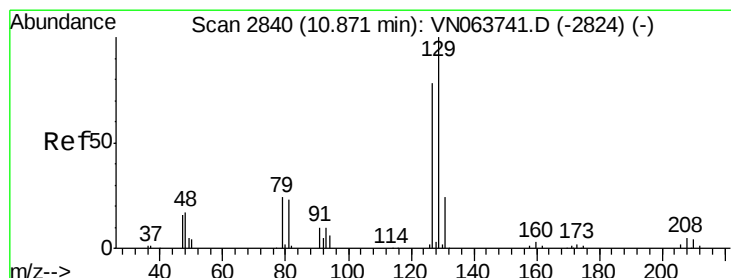
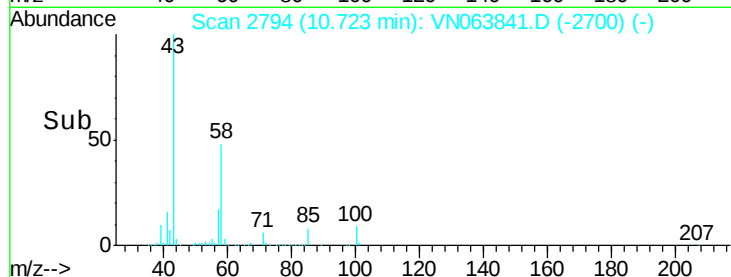
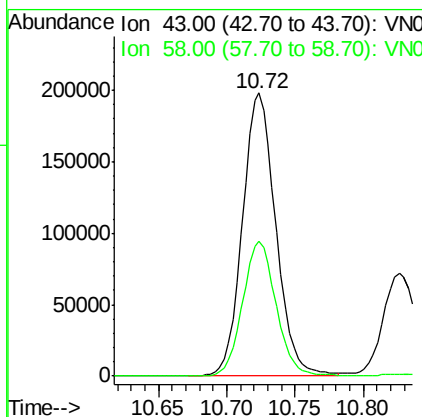
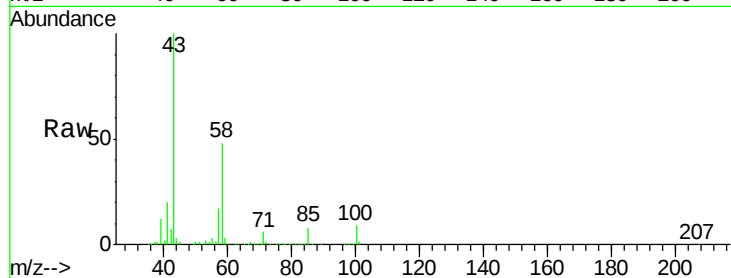
#59
2-Hexanone
Concen: 109.294 ug/l
RT: 10.72 min Scan# 2794
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion: 43 Resp: 334168
Ion Ratio Lower Upper
43 100
58 48.2 24.6 73.8

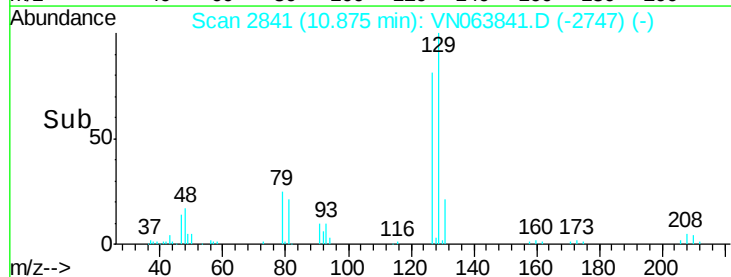
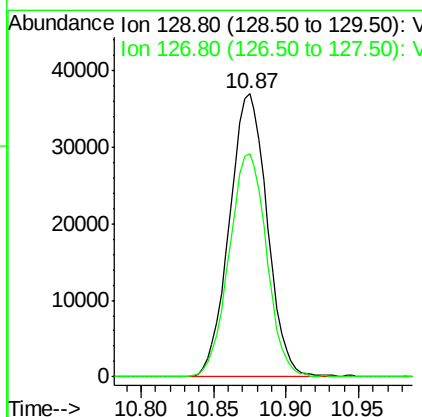
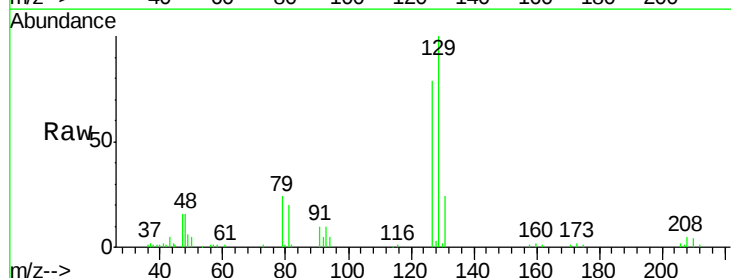
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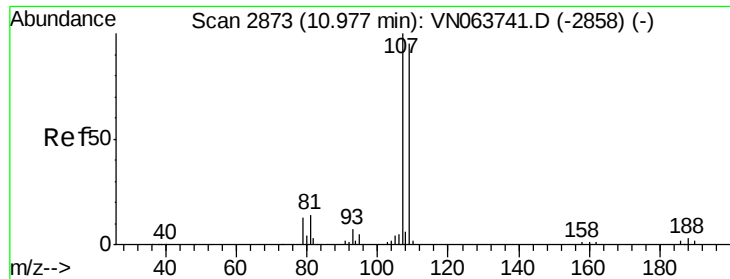
MMDadoda
10/5/2020 5:35:36 PM



#60
Dibromochloromethane
Concen: 18.971 ug/l
RT: 10.87 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion: 129 Resp: 66993
Ion Ratio Lower Upper
129 100
127 77.7 38.9 116.7





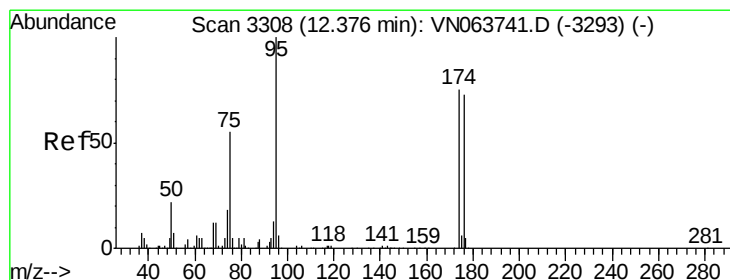
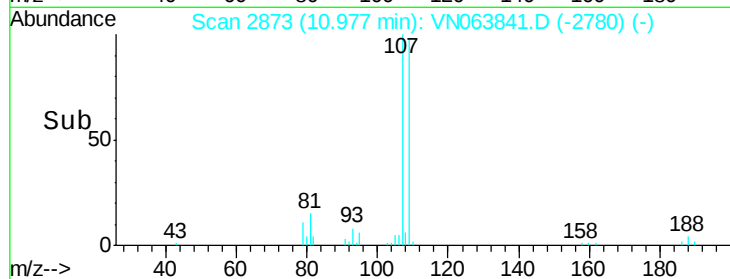
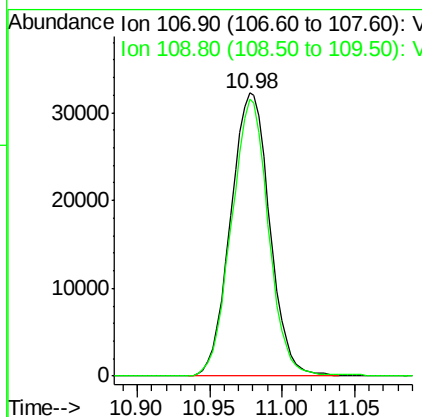
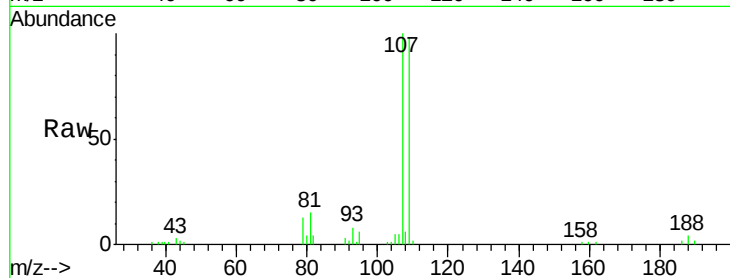
#61
 1,2-Dibromoethane
 Concen: 19.423 ug/l
 RT: 10.98 min Scan# 2873
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	92.6	74.8	112.2

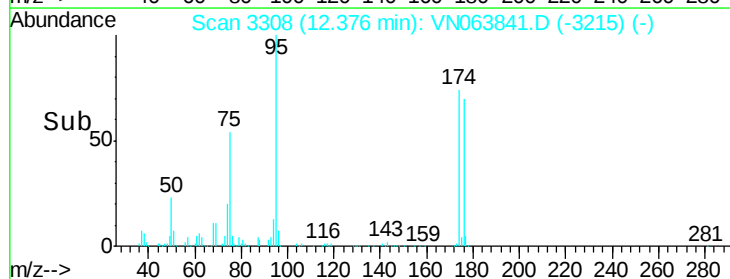
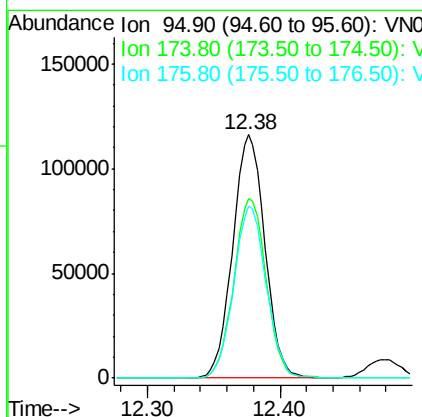
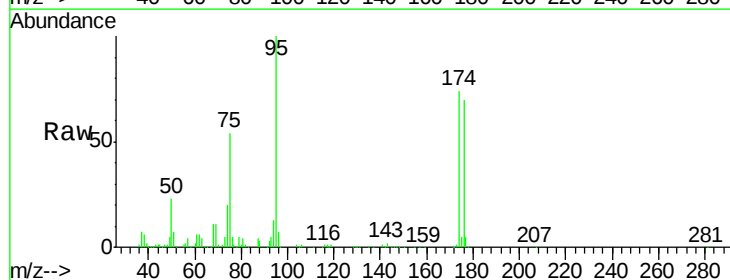
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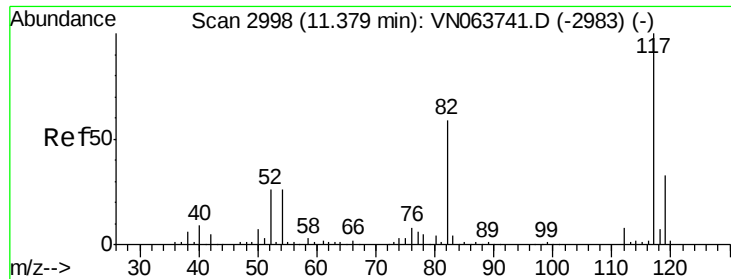
MMDadoda
 10/5/2020 5:35:36 PM



#62
 4-Bromofluorobenzene
 Concen: 46.806 ug/l
 RT: 12.38 min Scan# 3308
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	150.6
176	71.3	0.0	145.4





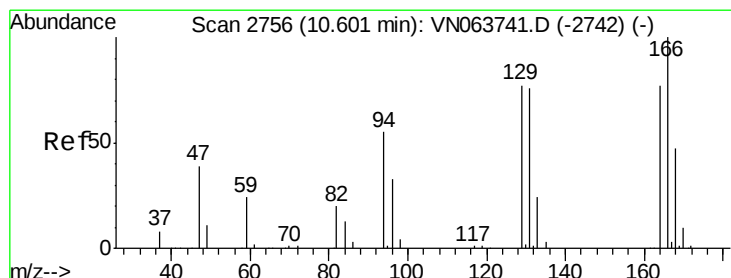
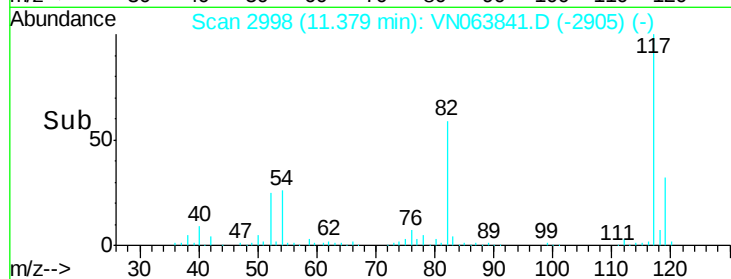
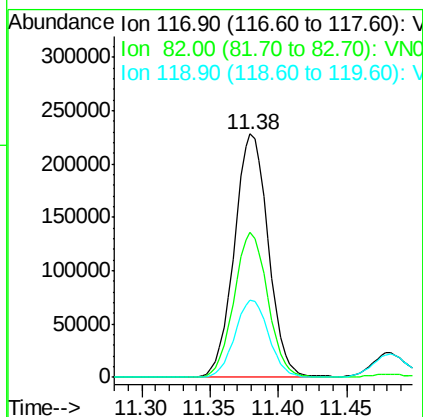
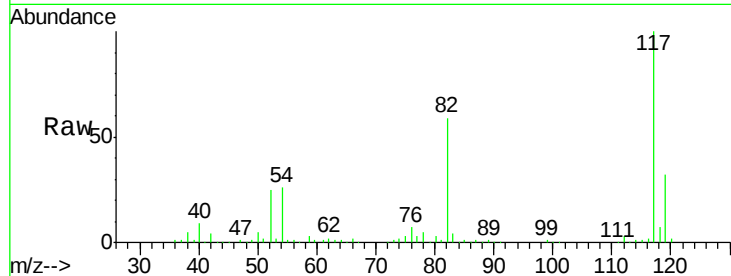
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2998
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	59.4	47.4	71.2
119	31.7	26.4	39.6

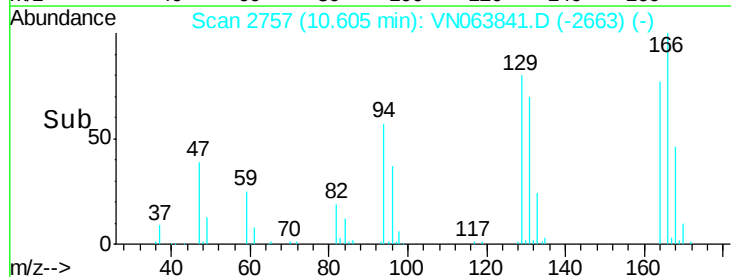
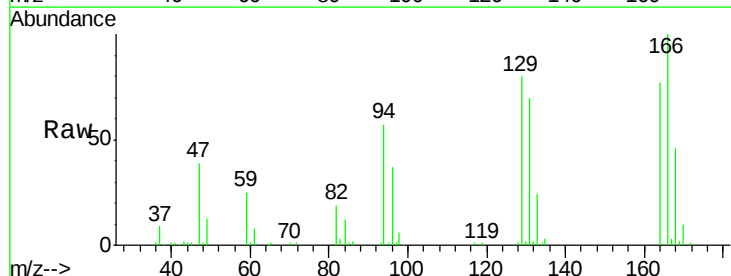
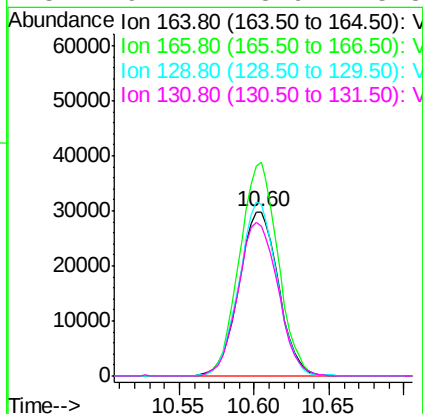
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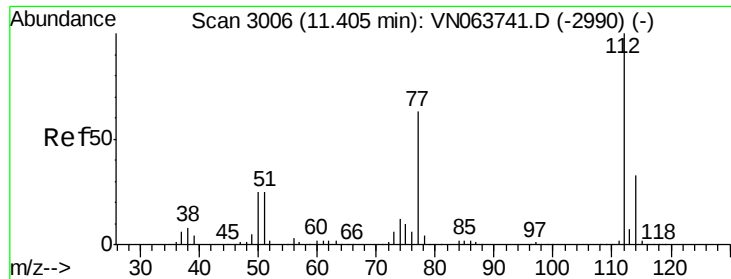
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#64
Tetrachloroethene
Concen: 18.011 ug/l
RT: 10.60 min Scan# 2757
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.1	103.9	155.9
129	104.6	80.3	120.5
131	91.4	78.9	118.3





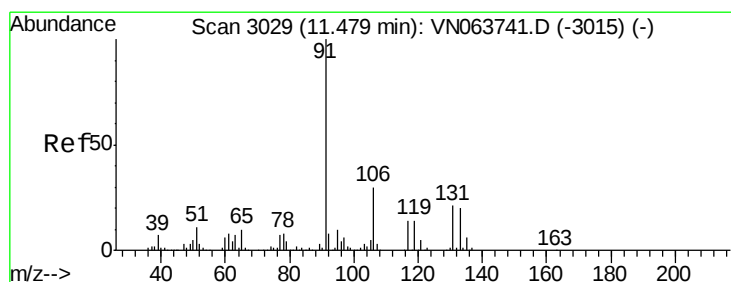
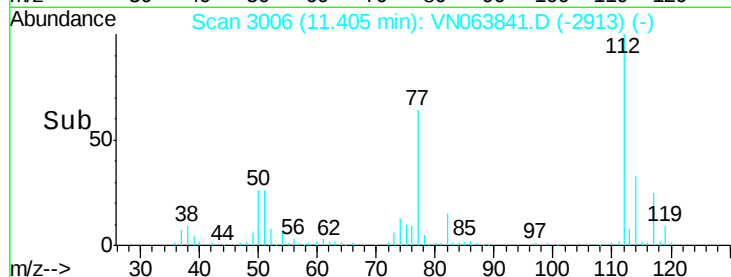
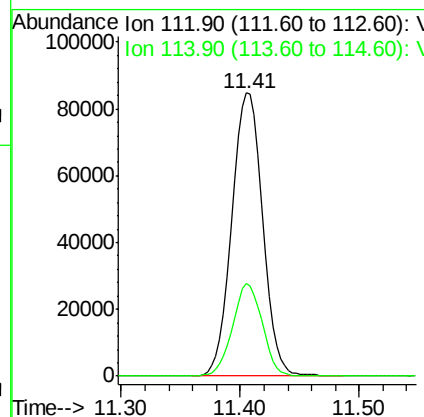
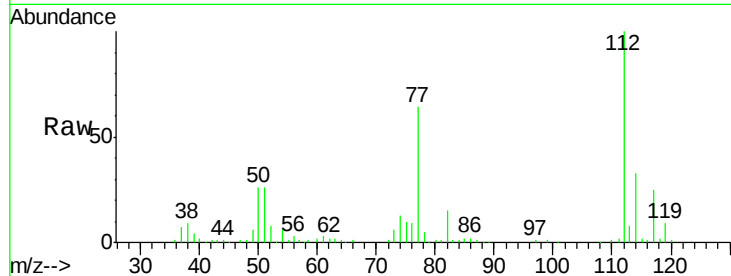
#65
Chlorobenzene
Concen: 18.821 ug/l
RT: 11.41 min Scan# 3006
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion:112 Resp: 152535
Ion Ratio Lower Upper
112 100
114 32.8 26.1 39.1

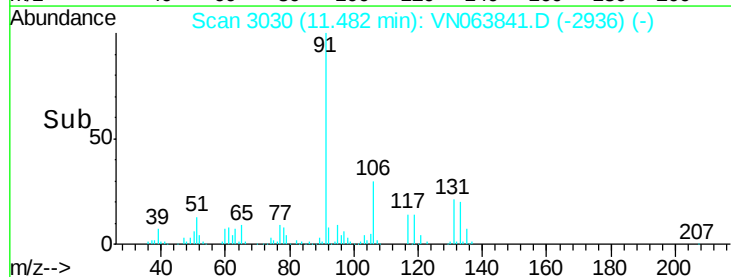
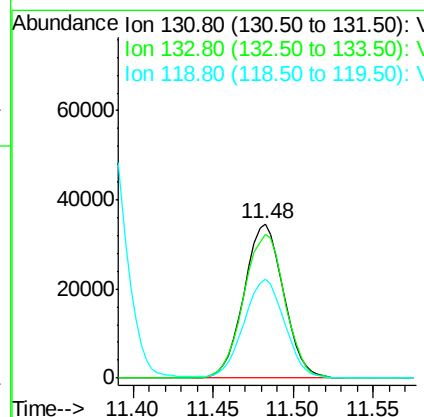
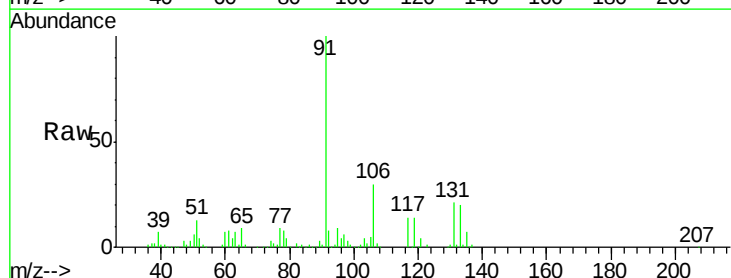
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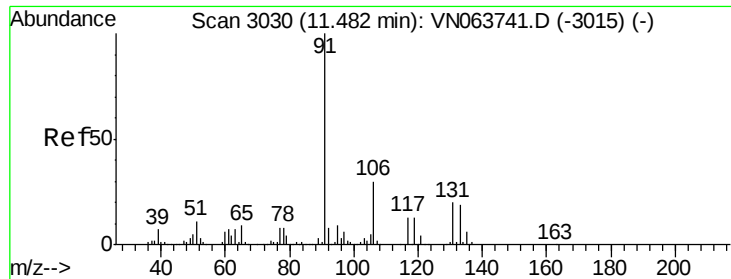
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#66
1,1,1,2-Tetrachloroethane
Concen: 18.819 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion:131 Resp: 58471
Ion Ratio Lower Upper
131 100
133 97.0 47.3 141.8
119 66.1 32.6 97.7





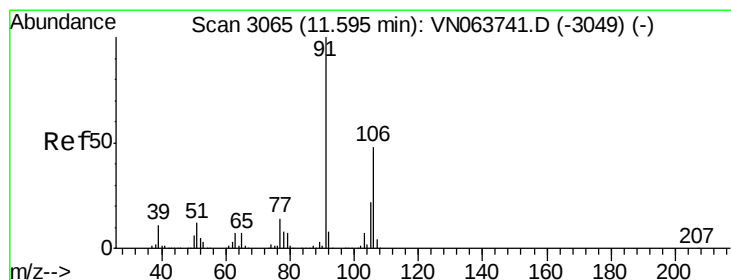
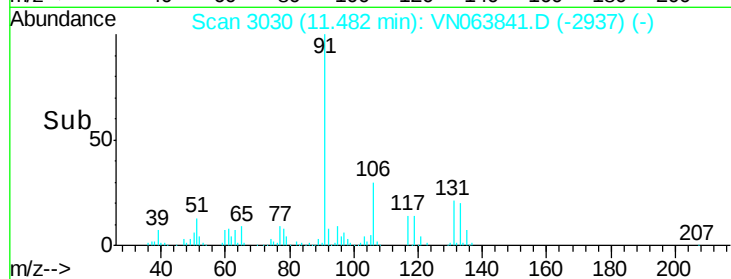
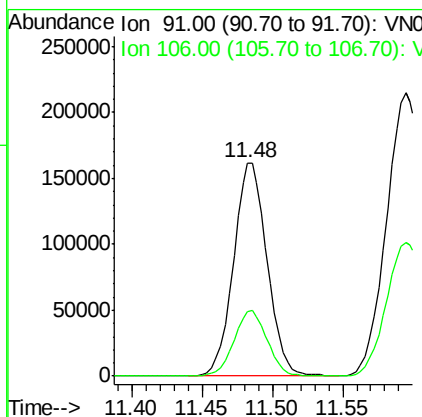
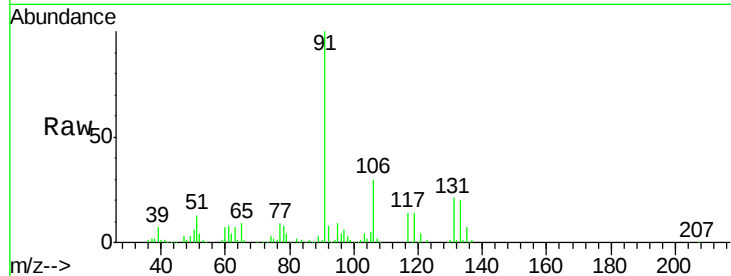
#67
Ethyl Benzene
Concen: 18.233 ug/l
RT: 11.48 min Scan# 3030
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	91	Resp	268886
Ion Ratio	100	Lower	Upper
106	30.2	24.2	36.2

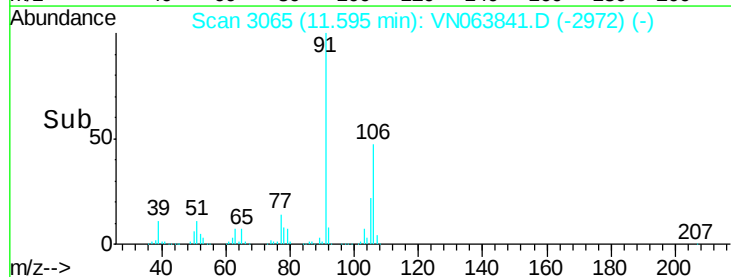
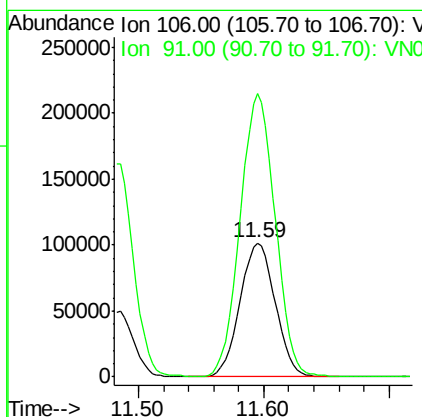
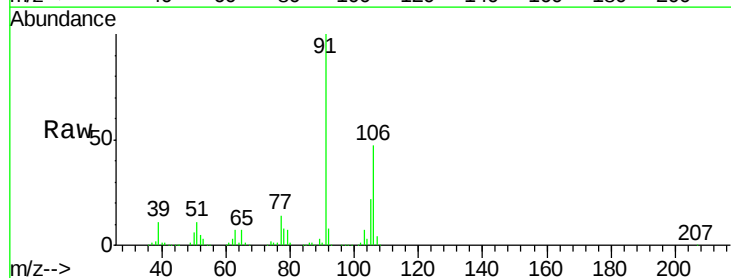
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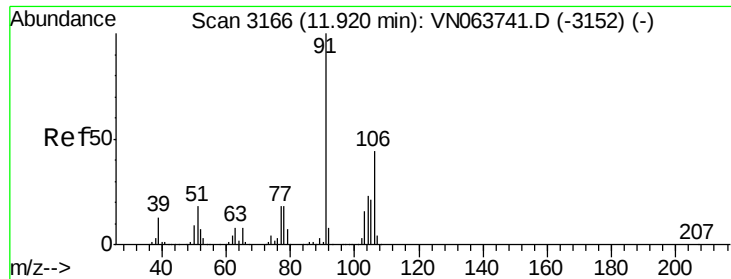
MMDadoda
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#68
m/p-Xylenes
Concen: 36.178 ug/l
RT: 11.59 min Scan# 3065
Delta R.T. -0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	106	Resp	198843
Ion Ratio <td>100</td> <td>Lower</td> <td>Upper</td>	100	Lower	Upper
91	209.6	168.0	252.0





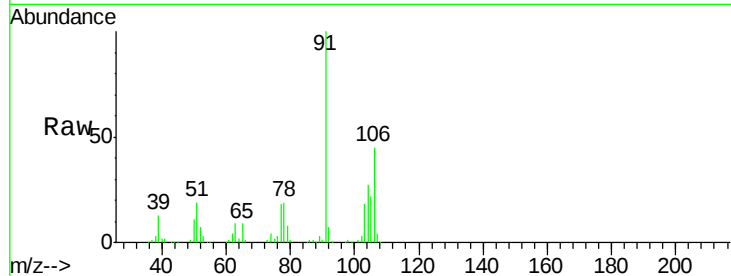
#69
o-Xylene
Concen: 18.488 ug/l
RT: 11.92 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampled :
VN1002WBSD02

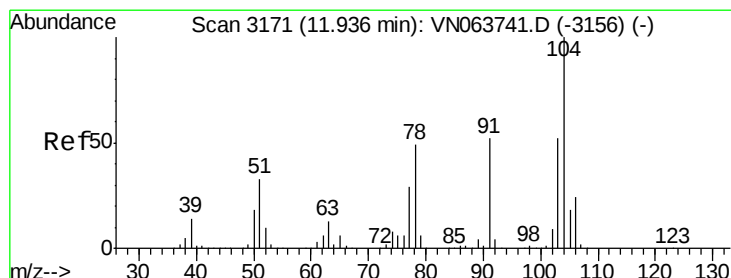
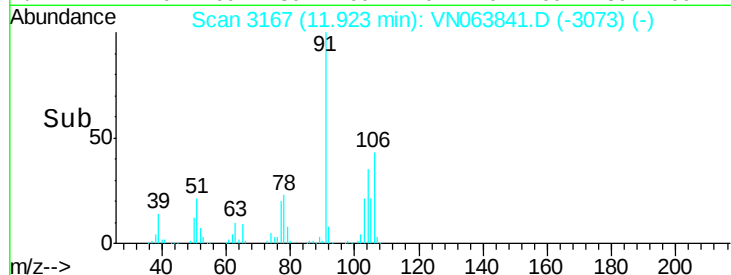
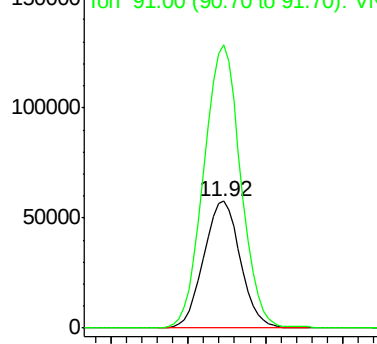
Tot Ion:106 Resp: 94976
Ion Ratio Lower Upper
106 100
91 224.5 112.7 338.0

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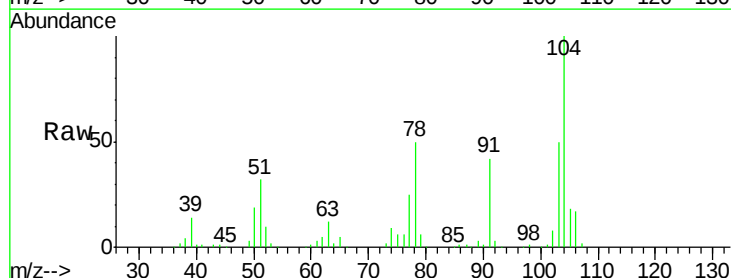


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

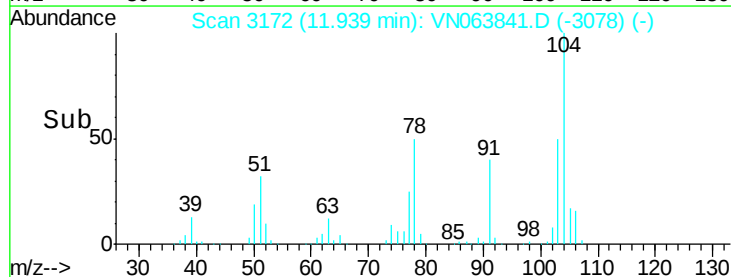
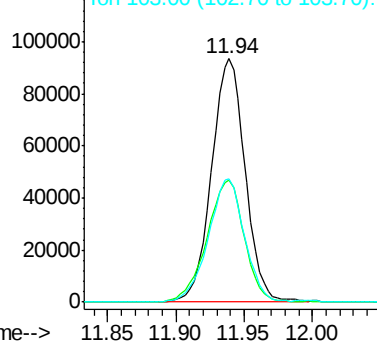


#70
Styrene
Concen: 18.372 ug/l
RT: 11.94 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion:104 Resp: 160208
Ion Ratio Lower Upper
104 100
78 55.5 44.1 66.1
103 54.3 44.3 66.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V





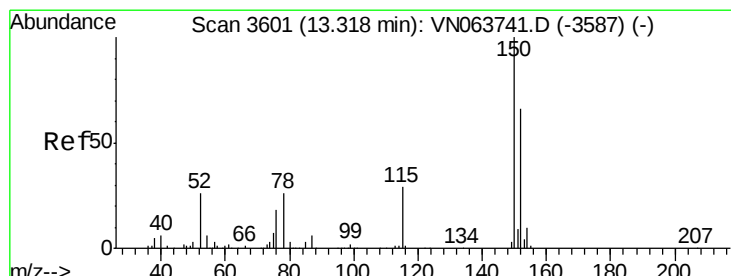
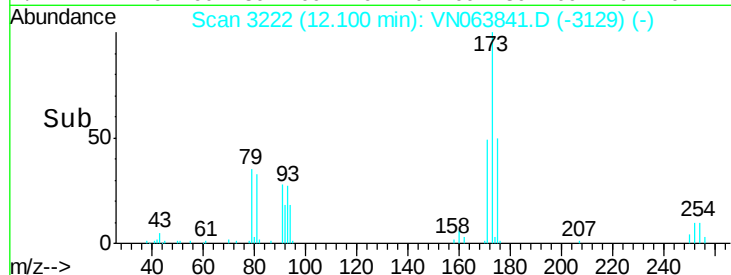
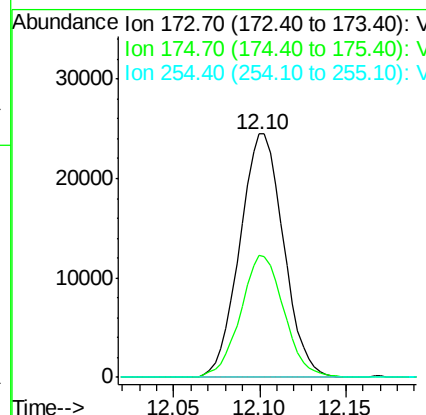
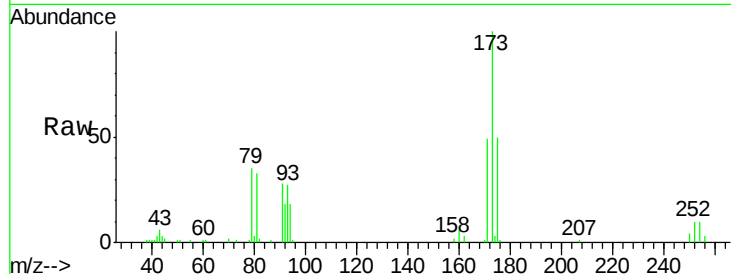
#71
Bromoform
Concen: 18.148 ug/l
RT: 12.10 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.8	23.5	70.5
254	0.0	0.0	0.0

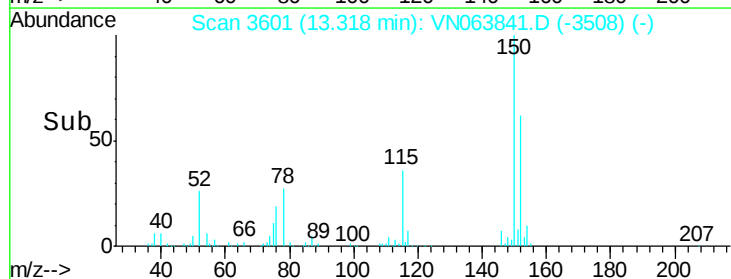
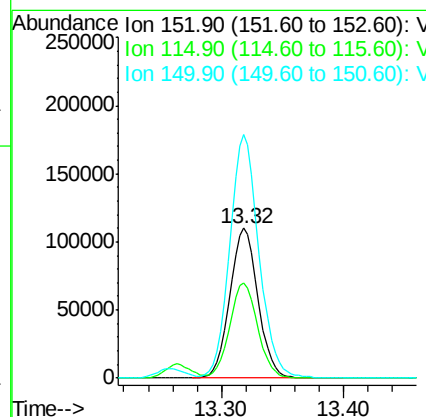
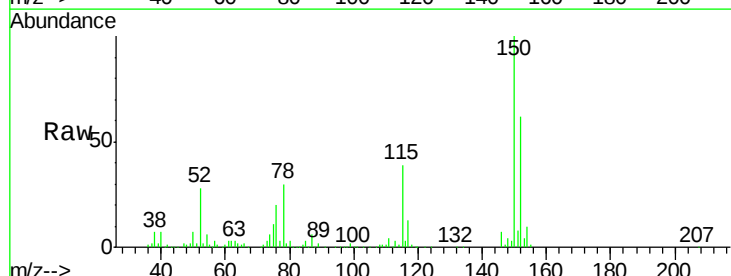
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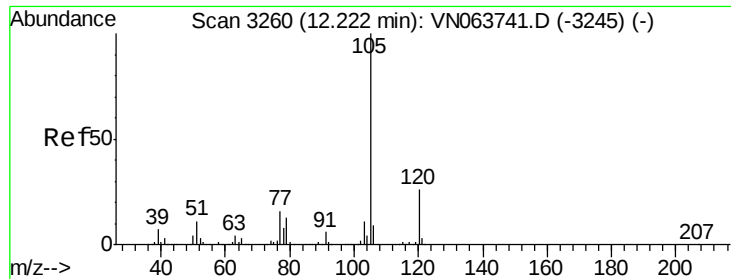
MMDadoda
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.32 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.3	93.8
150	166.5	0.0	341.8





#73

Isopropylbenzene

Concen: 19.390 ug/l

RT: 12.23 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion: 105 Resp: 252156

Ion Ratio Lower Upper

105 100

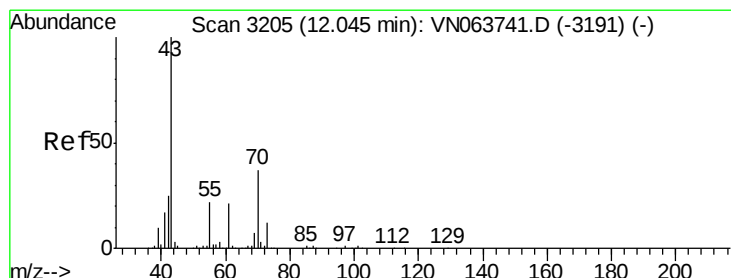
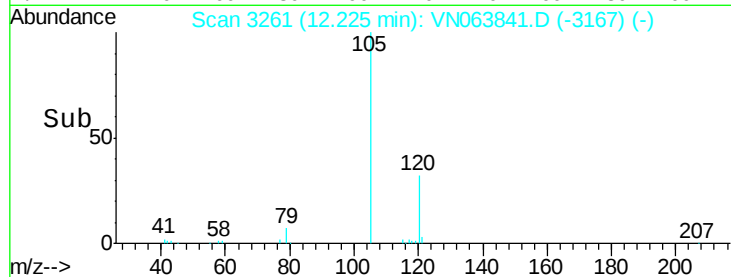
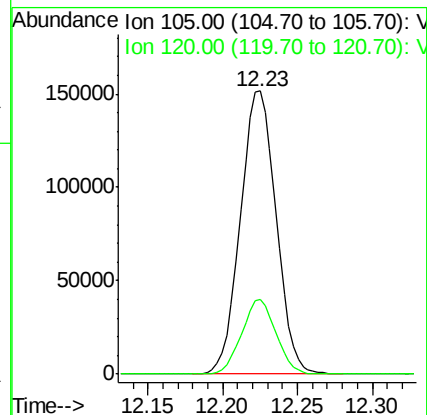
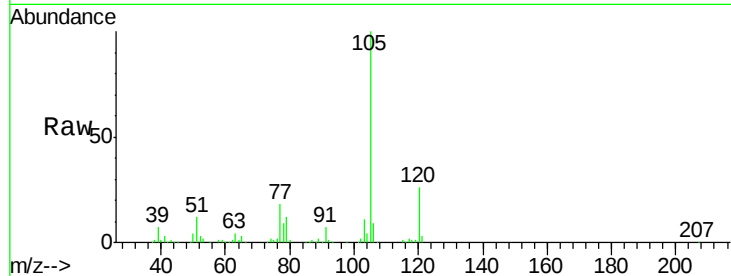
120 25.3 12.6 37.8

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#74

N-ethyl acetate

Concen: 21.119 ug/l

RT: 12.04 min Scan# 3205

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion: 43 Resp: 119552

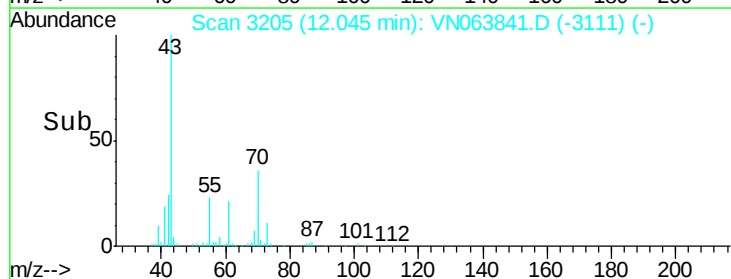
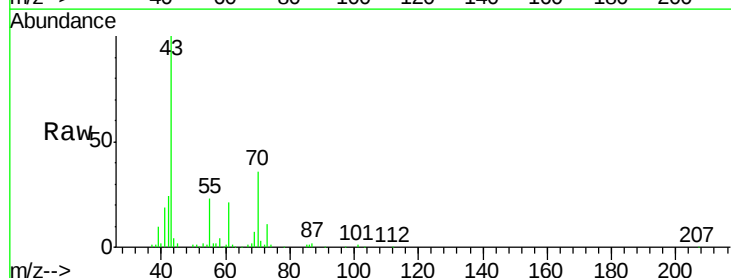
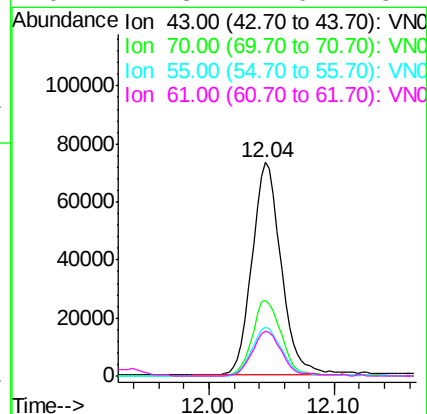
Ion Ratio Lower Upper

43 100

70 35.6 29.8 44.8

55 23.5 17.9 26.9

61 21.3 17.0 25.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.879 ug/l

RT: 12.48 min Scan# 3340

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

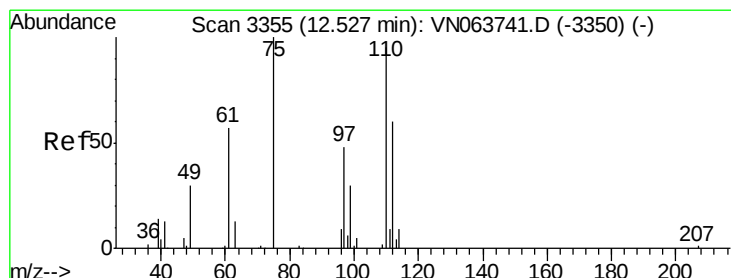
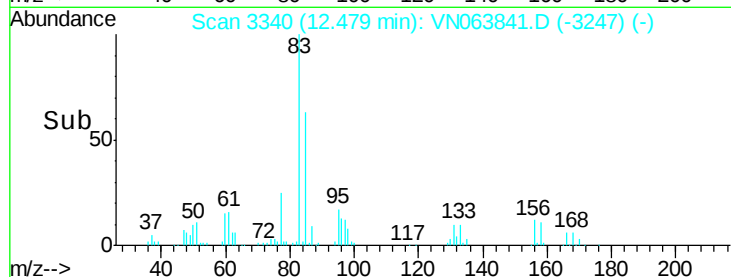
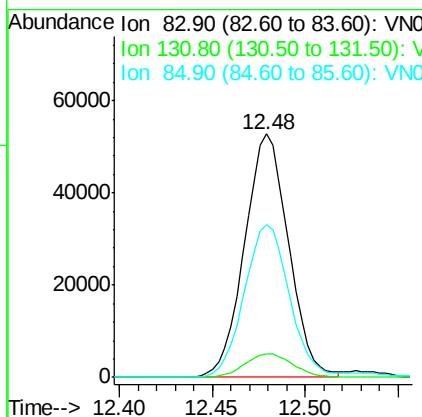
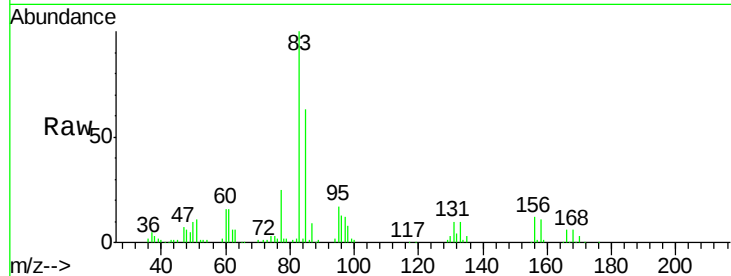
ClientSampleId :

VN1002WBSD02

Tot Ion:	83	Resp:	87005
Ion Ratio	Lower	Upper	
83	100		
131	10.6	5.3	15.8
85	64.4	31.3	93.8

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#76

1,2,3-Trichloropropane

Concen: 20.419 ug/l m

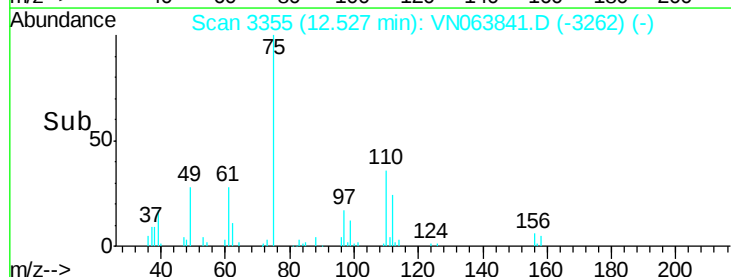
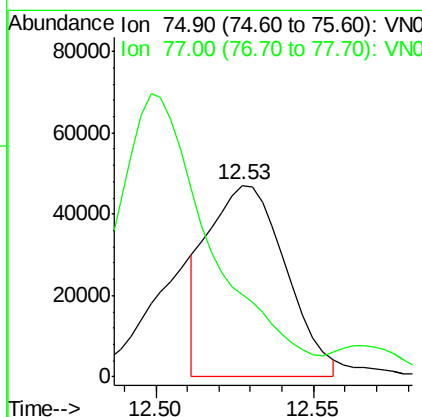
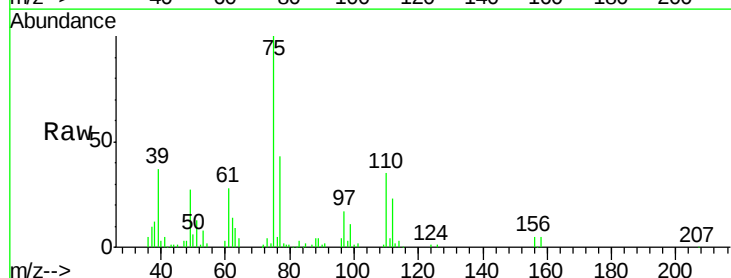
RT: 12.53 min Scan# 3355

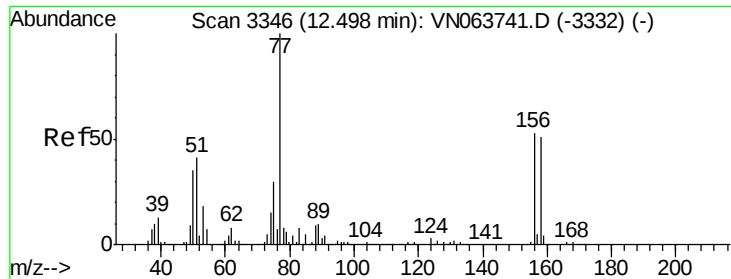
Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	75	Resp:	80254
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 20.103 ug/l

RT: 12.50 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion:156 Resp: 64149

Ion Ratio Lower Upper

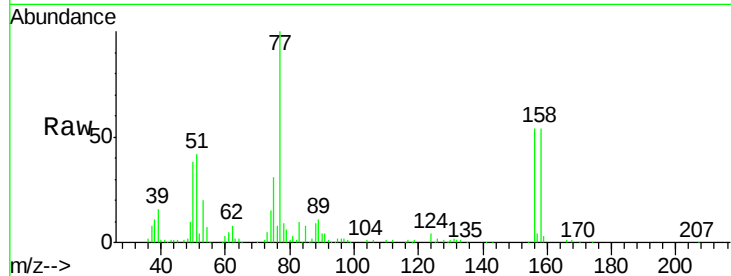
156 100

77 230.1 110.9 332.7

158 98.2 47.7 143.1

Manual Integrations
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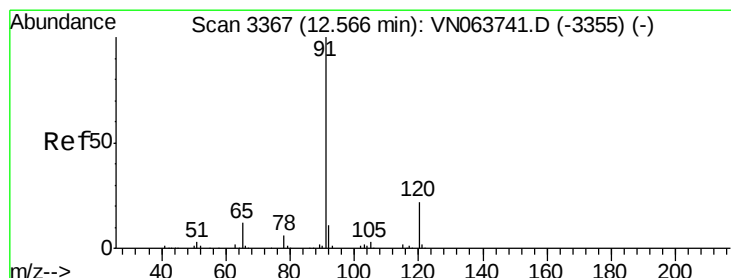
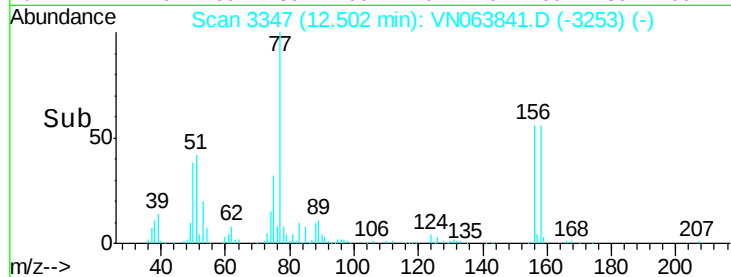
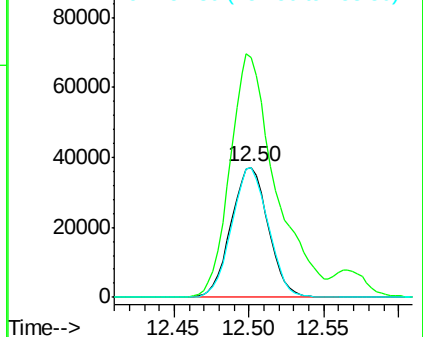
MMDadoda
10/5/2020 5:35:36 PM



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.672 ug/l

RT: 12.57 min Scan# 3367

Delta R.T. 0.00 min

Lab File: VN063841.D

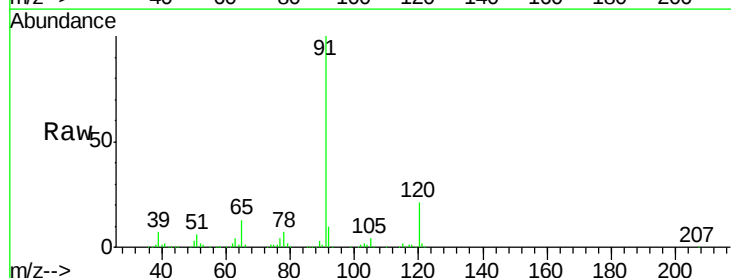
Acq: 3 Oct 2020 00:20

Tgt Ion: 91 Resp: 282595

Ion Ratio Lower Upper

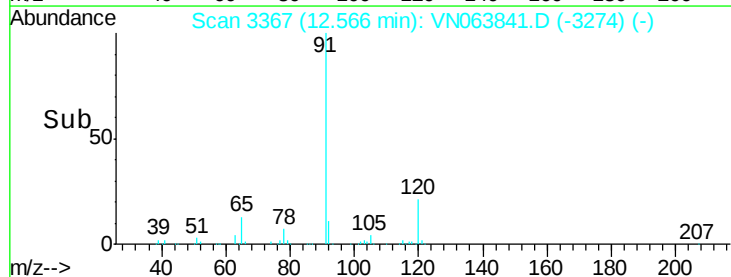
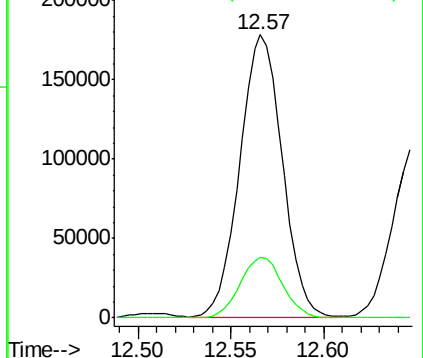
91 100

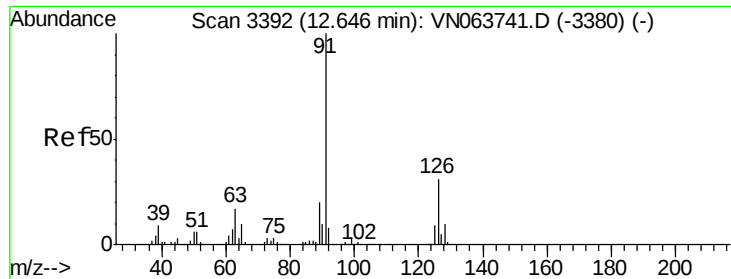
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





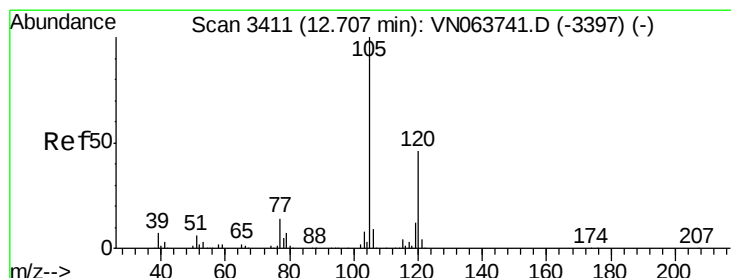
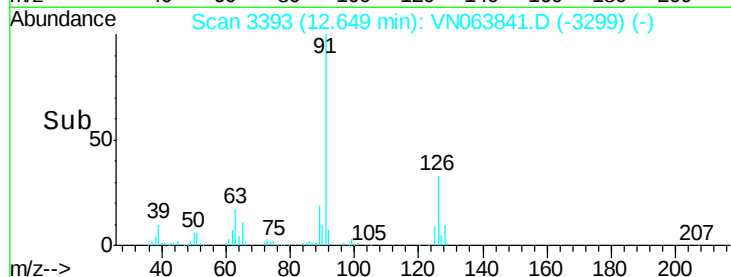
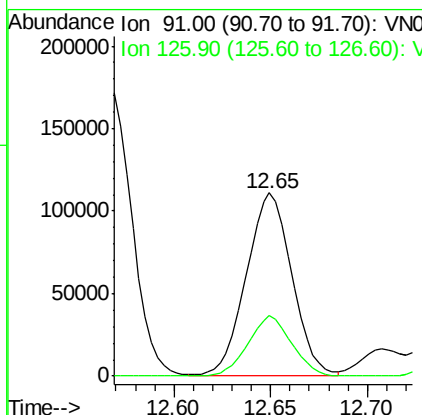
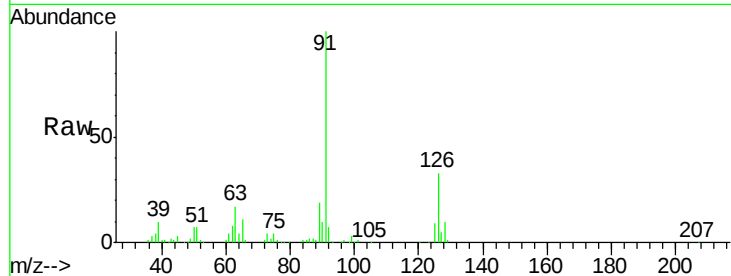
#79
 2-Chlorotoluene
 Concen: 19.338 ug/l
 RT: 12.65 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion: 91 Resp: 179998
 Ion Ratio Lower Upper
 91 100
 126 32.0 15.9 47.7

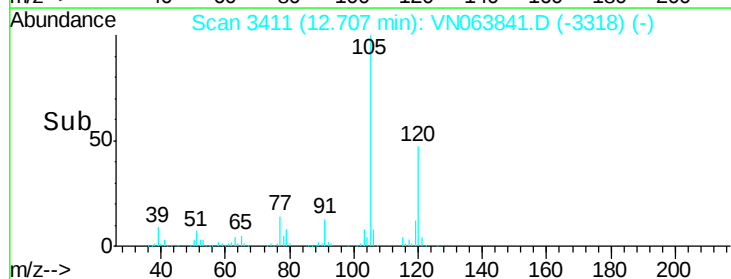
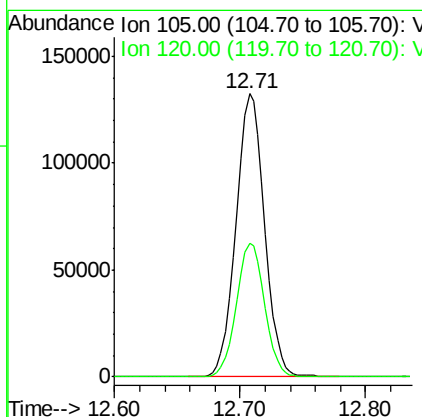
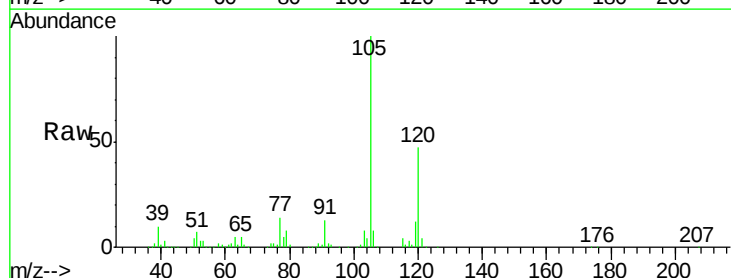
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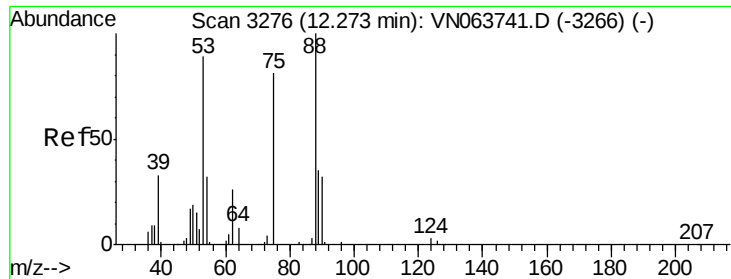
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 10/5/2020 5:35:36 PM



#80
 1,3,5-Trimethylbenzene
 Concen: 19.172 ug/l
 RT: 12.71 min Scan# 3411
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion: 105 Resp: 209170
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.3 69.9





#81

trans-1,4-Dichloro-2-butene

Concen: 18.077 ug/l

RT: 12.28 min Scan# 3277

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

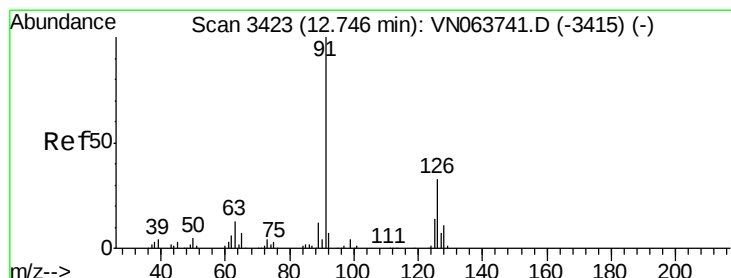
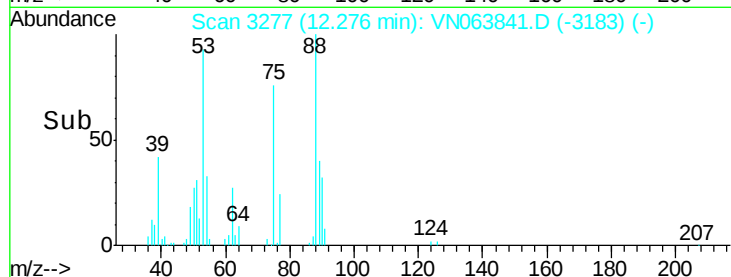
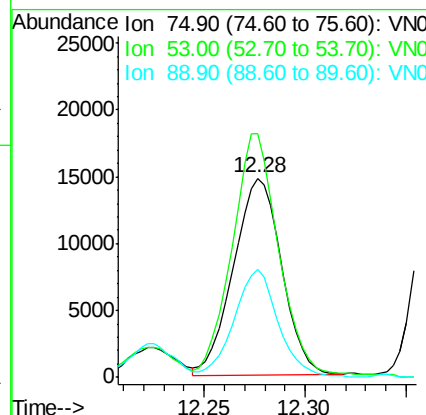
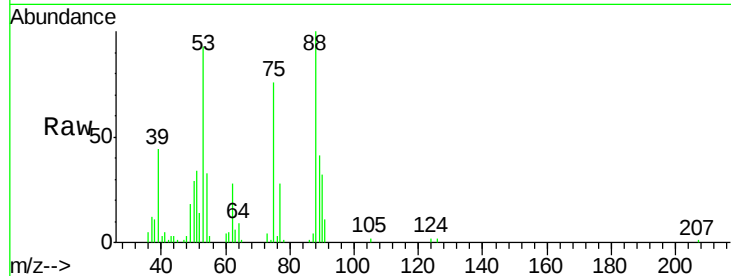
ClientSampleId :

VN1002WBSD02

Tot Ion:	75	Resp:	24668
Ion	Ratio	Lower	Upper
75	100		
53	118.4	88.2	132.2
89	50.3	36.0	54.0

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#82

4-Chlorotoluene

Concen: 19.112 ug/l

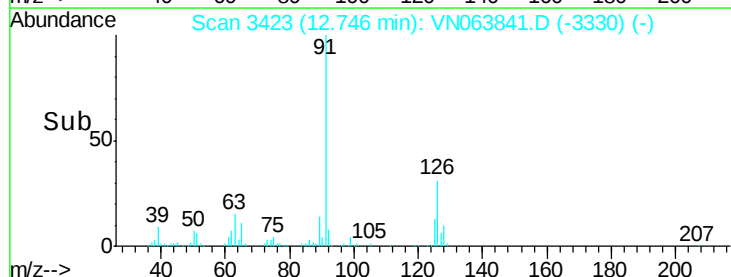
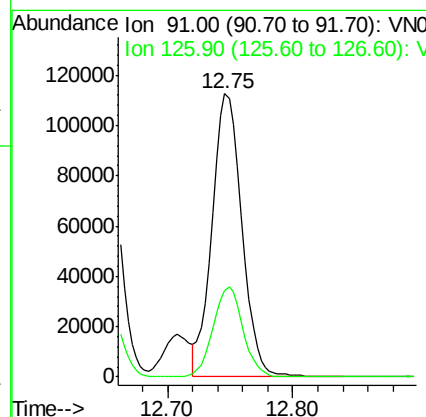
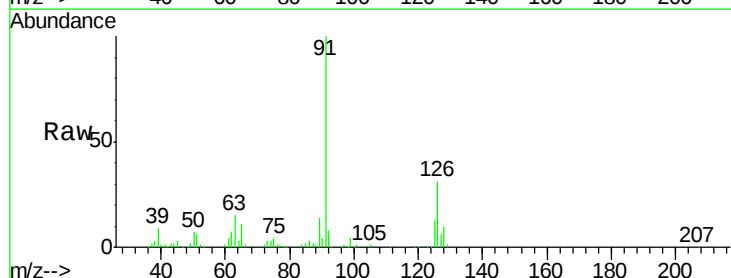
RT: 12.75 min Scan# 3423

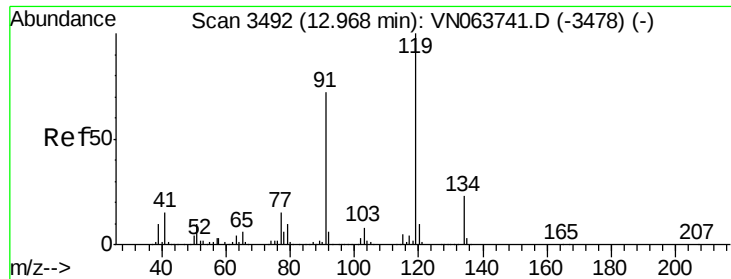
Delta R.T. -0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	91	Resp:	184674
Ion	Ratio	Lower	Upper
91	100		
126	32.2	15.4	46.2





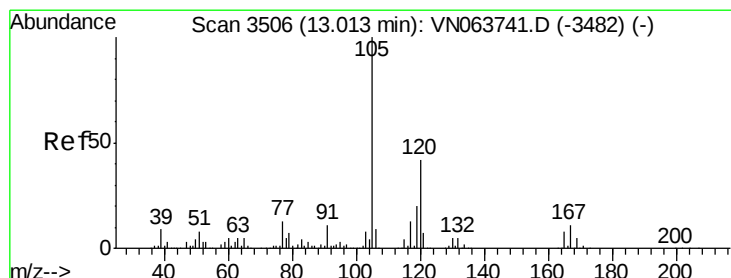
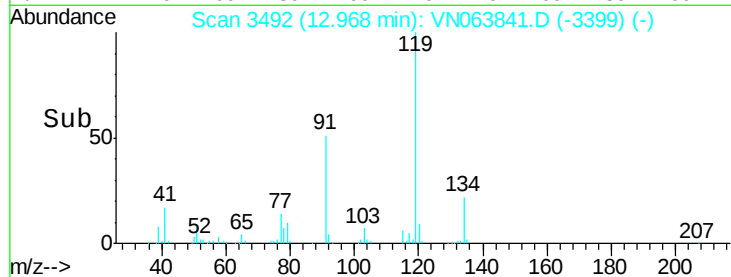
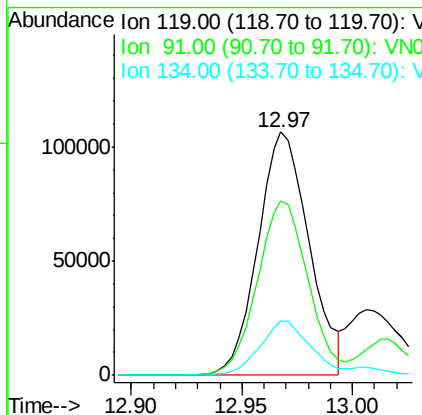
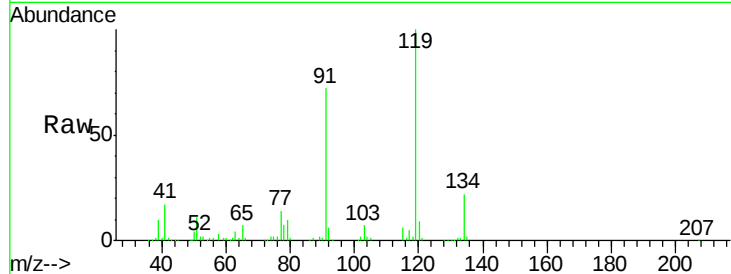
#83
 tert-Butylbenzene
 Concen: 19.151 ug/l
 RT: 12.97 min Scan# 3492
 Delta R.T. -0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
119	100		
91	71.0	35.5	106.5
134	22.2	11.7	35.1

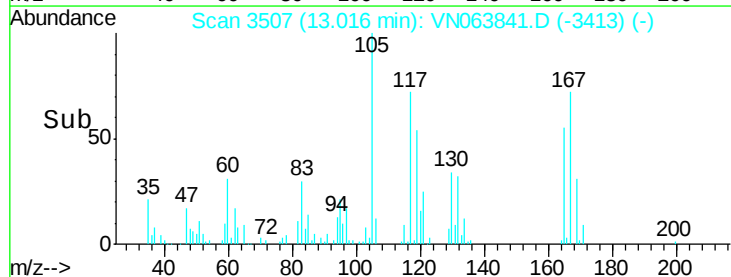
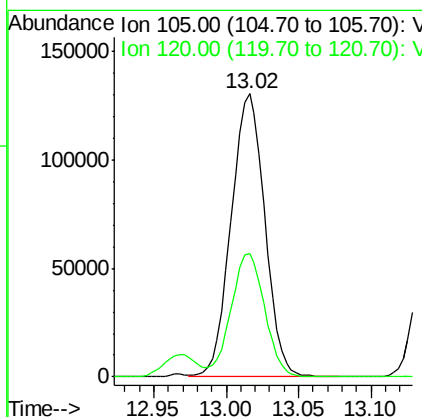
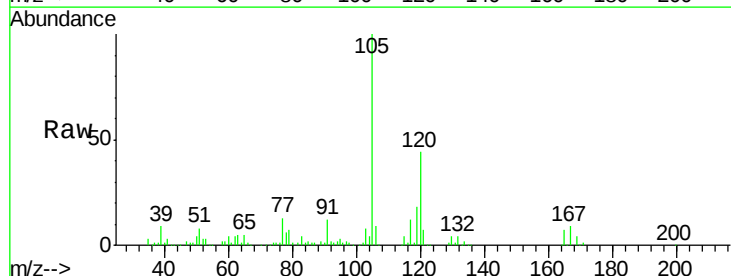
Manual Integrations
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 10/5/2020 5:35:36 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 19.249 ug/l
 RT: 13.02 min Scan# 3507
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.7	20.9	62.7





#85

sec-Butylbenzene

Concen: 18.539 ug/l

RT: 13.15 min Scan# 3548

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

ClientSampleId :

VN1002WBSD02

Tot Ion:105 Resp: 217312

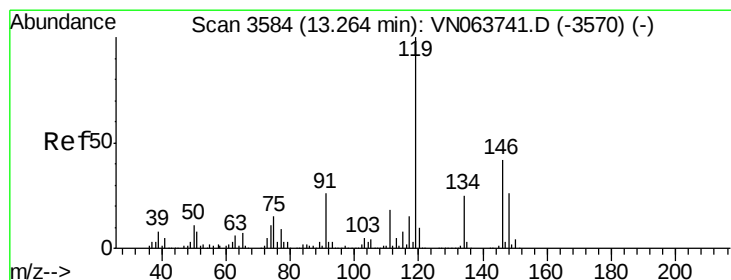
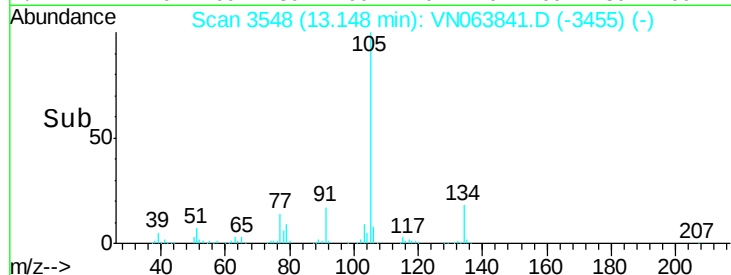
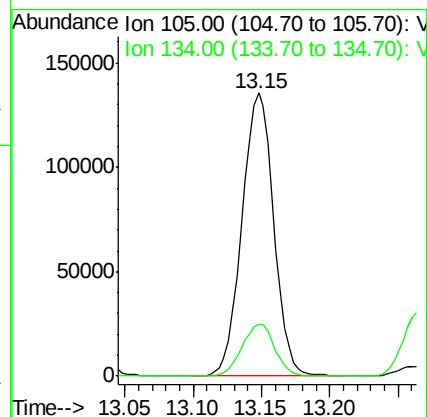
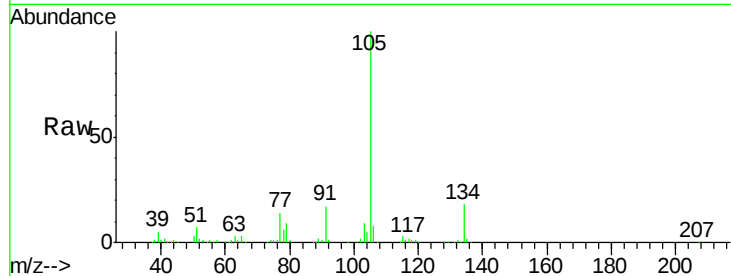
Ion Ratio Lower Upper

105 100

134 19.0 9.5 28.5

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 18.415 ug/l

RT: 13.26 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

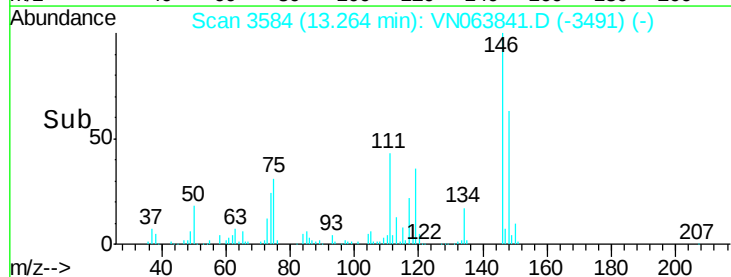
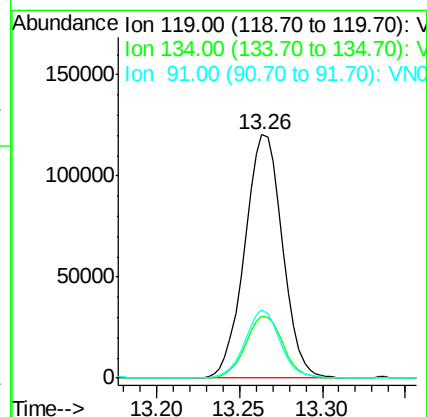
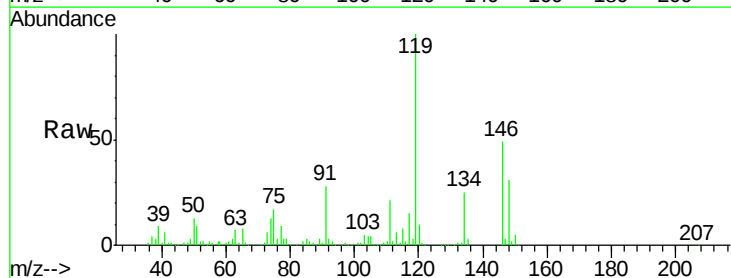
Tgt Ion:119 Resp: 190951

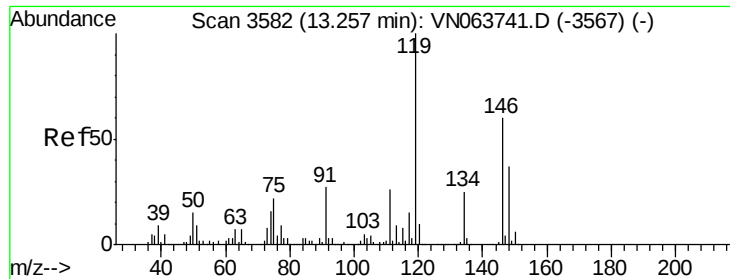
Ion Ratio Lower Upper

119 100

134 25.2 12.6 37.8

91 26.3 13.4 40.2





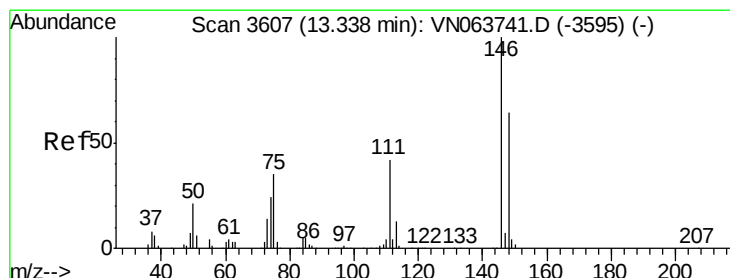
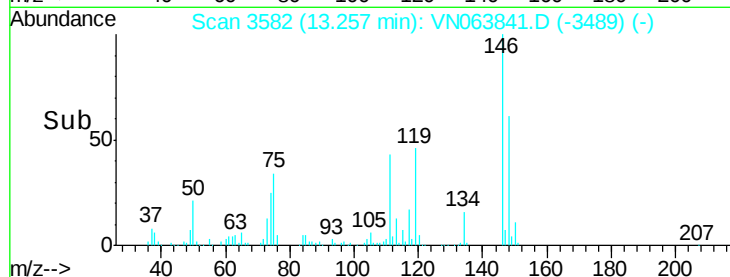
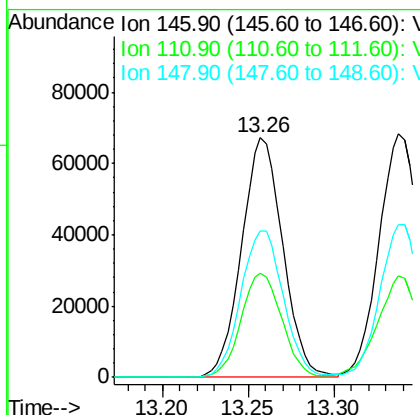
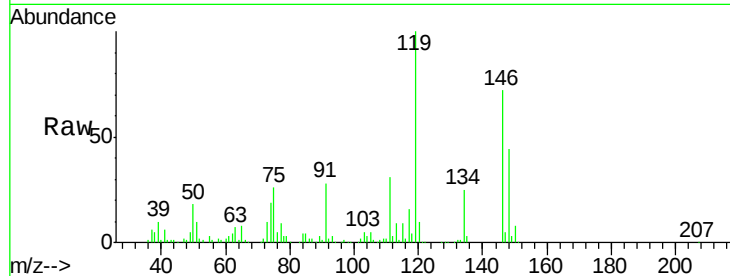
#87
 1,3-Dichlorobenzene
 Concen: 19.400 ug/l
 RT: 13.26 min Scan# 3582
 Delta R.T. -0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.9	21.5	64.5
148	62.9	31.1	93.3

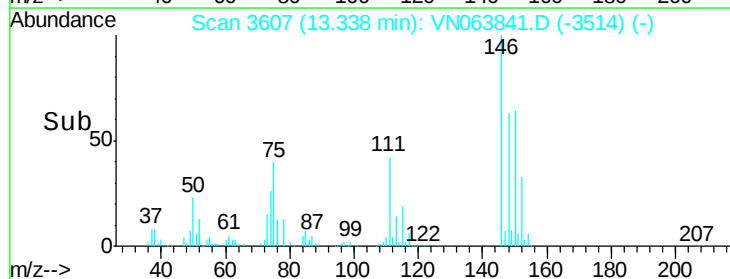
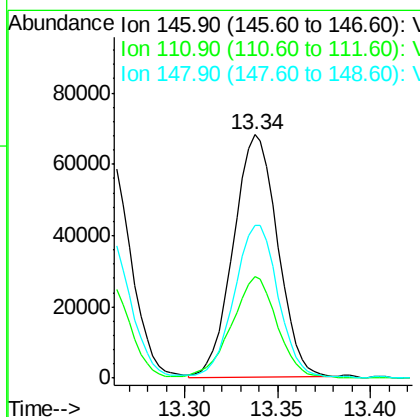
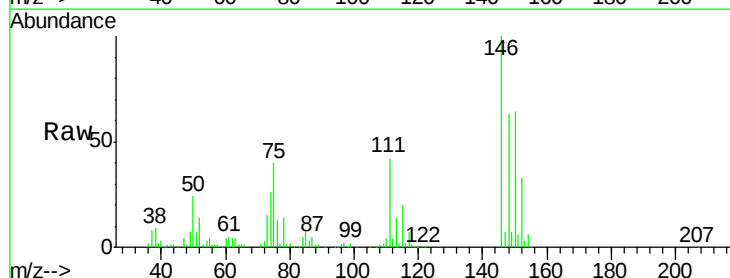
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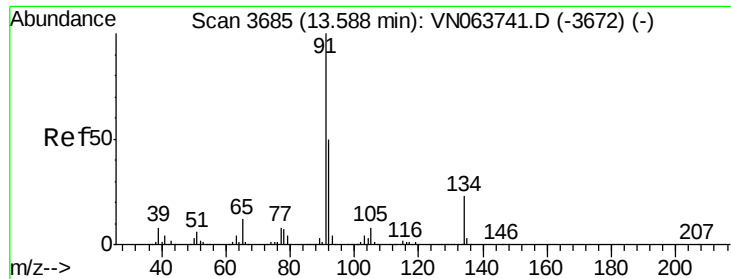
MMDadoda
 10/5/2020 5:35:36 PM



#88
 1,4-Dichlorobenzene
 Concen: 18.703 ug/l
 RT: 13.34 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.4	21.3	63.7
148	62.7	32.0	96.0





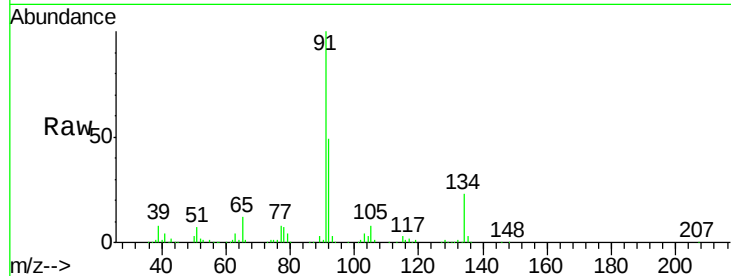
#89
n-Butylbenzene
Concen: 16.720 ug/l
RT: 13.59 min Scan# 3686
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	160018		
92	48.9		25.4	76.4
134	23.0		11.7	35.1

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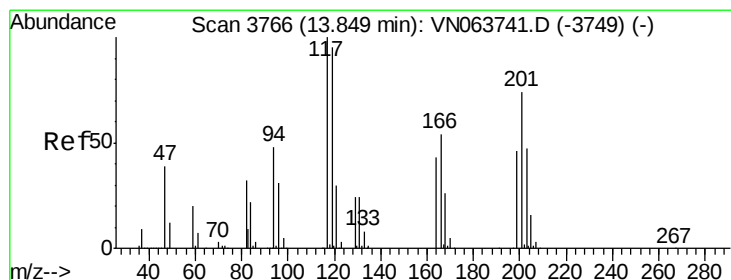
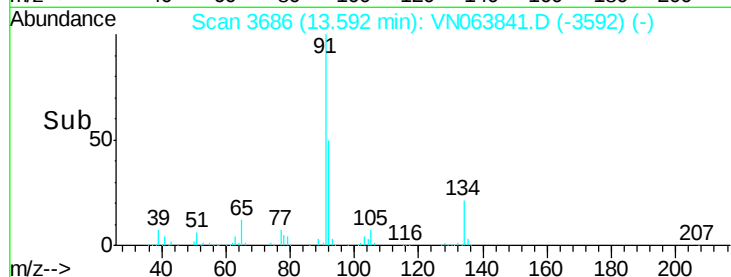
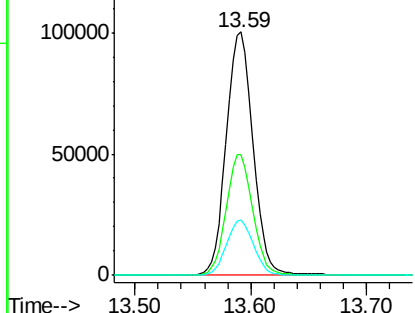
MMDadoda
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Abundance Ion 91.00 (90.70 to 91.70): VN063841.D (-3672) (-)

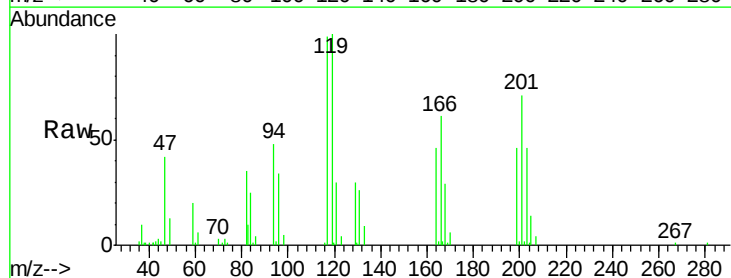
Ion 92.00 (91.70 to 92.70): VN063841.D (-3672) (-)

Ion 134.00 (133.70 to 134.70): VN063841.D (-3672) (-)



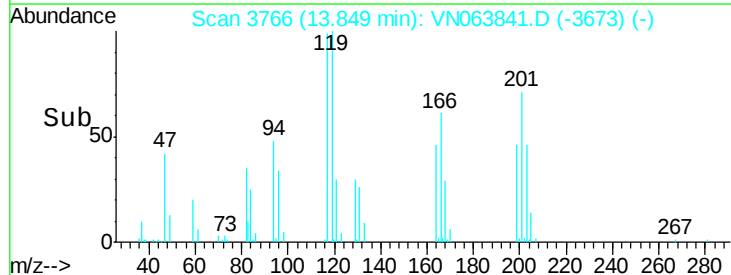
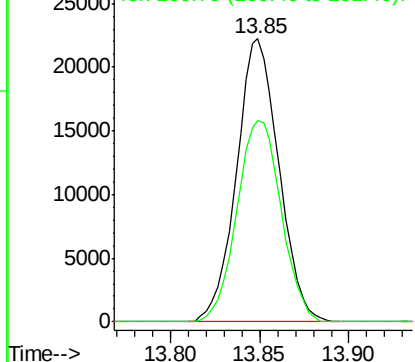
#90
Hexachloroethane
Concen: 18.345 ug/l
RT: 13.85 min Scan# 3766
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	36863		
201	74.3		36.0	108.0



Abundance Ion 116.80 (116.50 to 117.50): VN063841.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN063841.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 19.545 ug/l

RT: 13.63 min Scan# 3698

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Instrument :

MSVOA_N

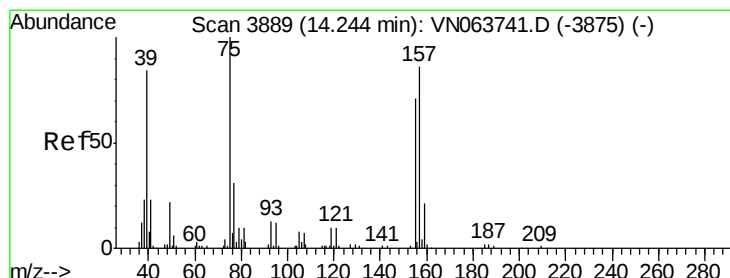
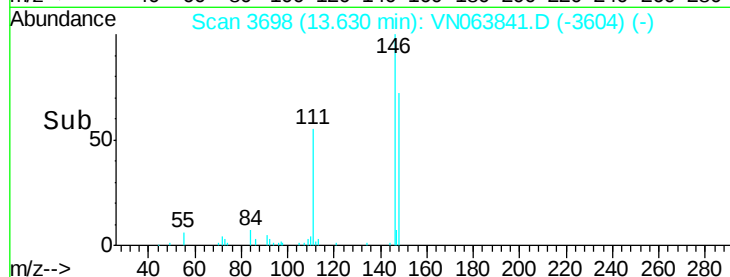
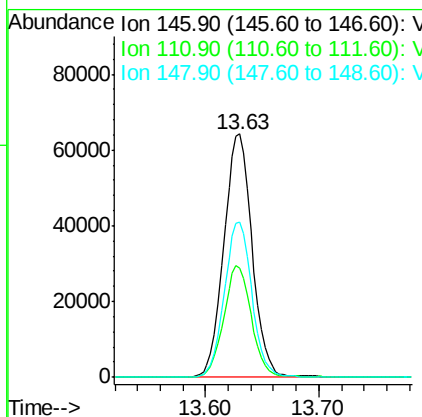
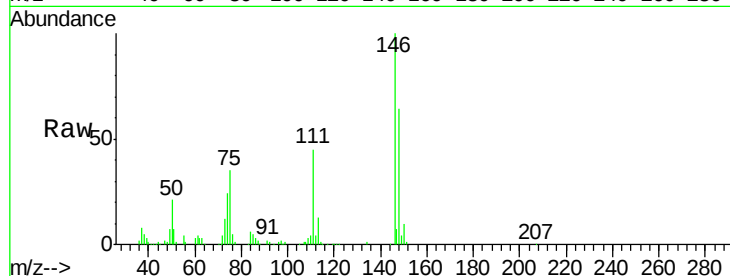
ClientSampleId :

VN1002WBSD02

Tot Ion:	146	Resp:	111759
Ion Ratio	Lower	Upper	
146	100		
111	44.7	22.2	66.6
148	62.1	32.5	97.4

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#92

1,2-Dibromo-3-Chloropropane

Concen: 20.475 ug/l

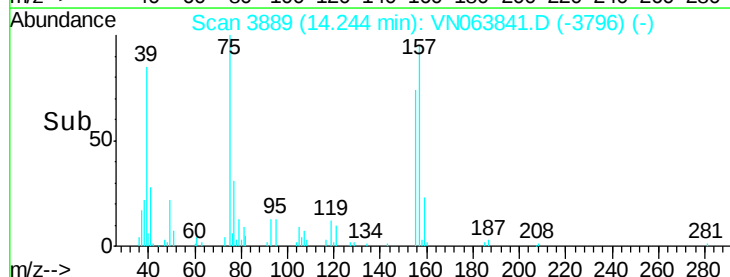
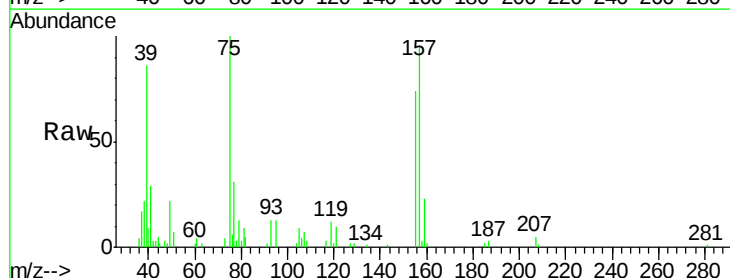
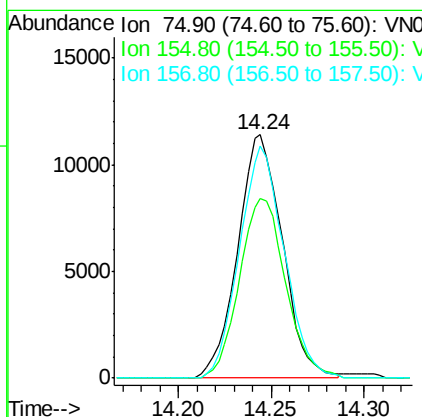
RT: 14.24 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN063841.D

Acq: 3 Oct 2020 00:20

Tgt Ion:	75	Resp:	19095
Ion Ratio	Lower	Upper	
75	100		
155	76.1	34.8	104.5
157	95.2	43.7	131.1





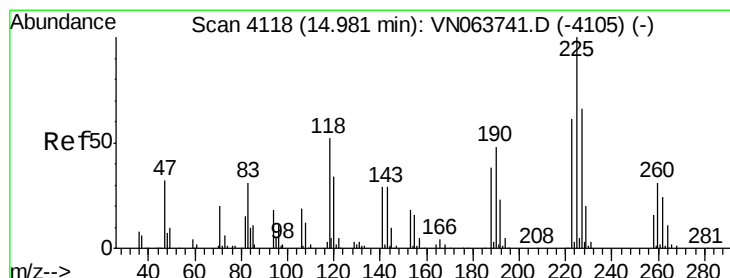
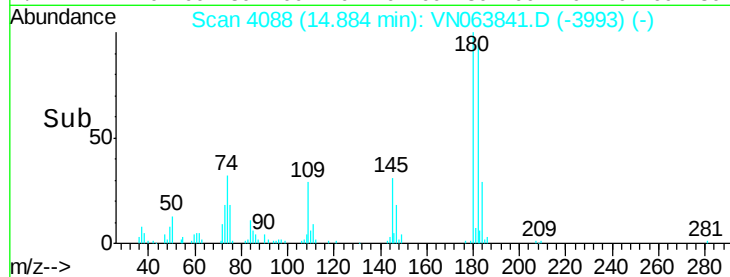
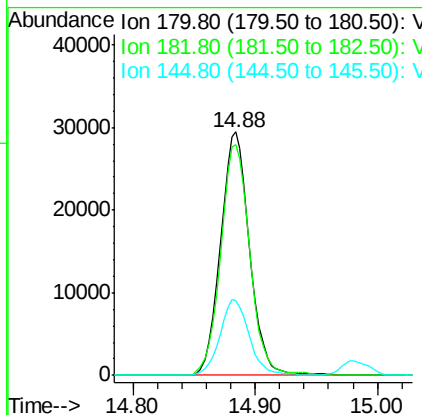
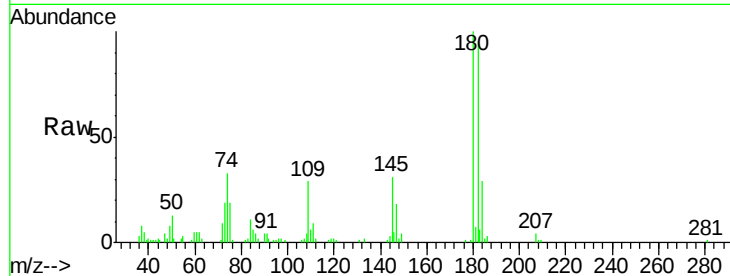
#93
 1,2,4-Trichlorobenzene
 Concen: 16.964 ug/l
 RT: 14.88 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1002WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	49051		
182	95.7	48.2	144.6	
145	31.5	17.1	51.2	

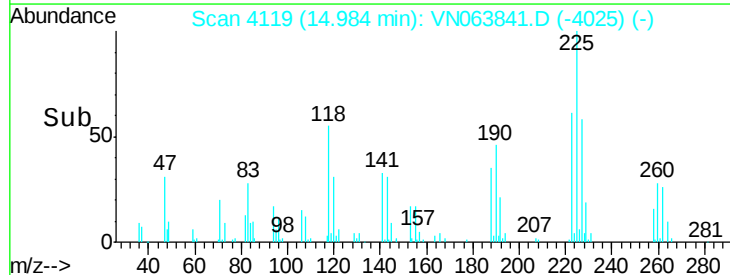
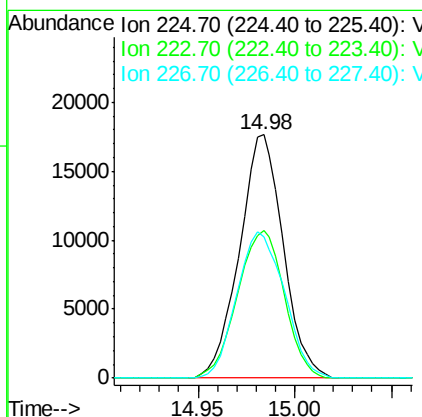
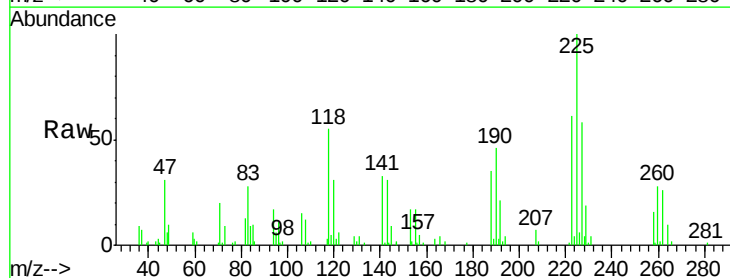
Manual Integrations
 APPROVED

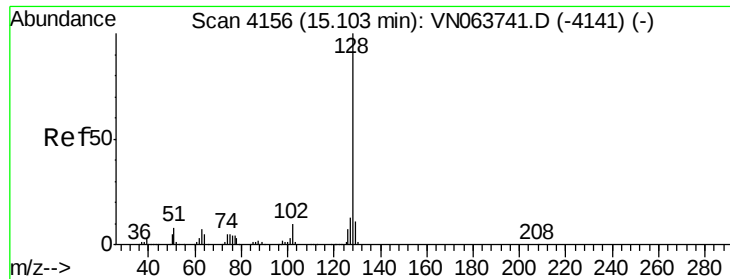
MMDadoda
 10/5/2020 5:35:36 PM



#94
 Hexachlorobutadiene
 Concen: 17.959 ug/l
 RT: 14.98 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN063841.D
 Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	27776		
223	64.6	30.3	91.0	
227	65.1	31.9	95.5	





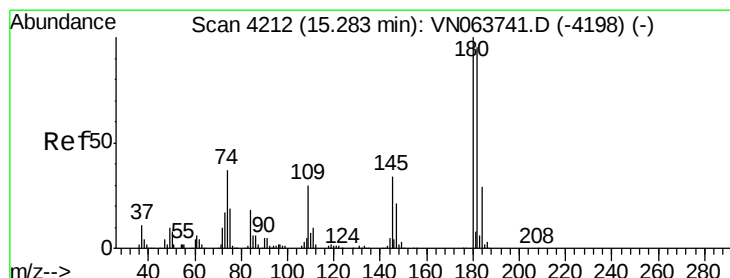
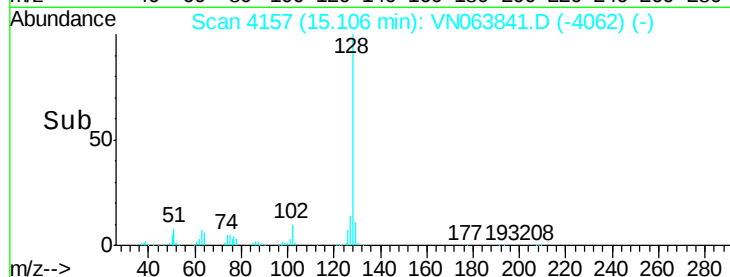
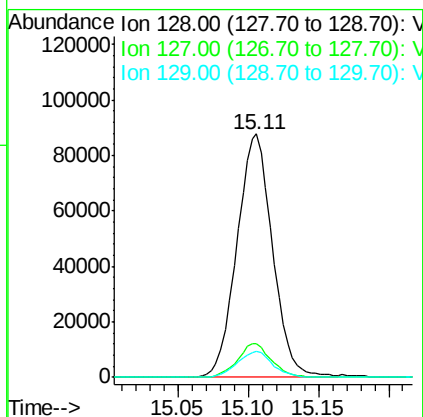
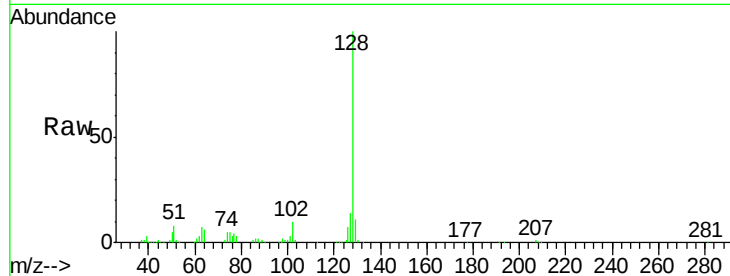
#95
Naphthalene
Concen: 17.438 ug/l
RT: 15.11 min Scan# 4157
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Instrument :
MSVOA_N
ClientSampleId :
VN1002WBSD02

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.3	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/5/2020 5:35:36 PM



#96
1,2,3-Trichlorobenzene
Concen: 17.184 ug/l
RT: 15.29 min Scan# 4213
Delta R.T. 0.00 min
Lab File: VN063841.D
Acq: 3 Oct 2020 00:20

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.6
145	33.2	17.2	51.5

